

Section I

AMOS Hardware Products

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Upgrade Registration Forms:

- Eagle 800 Upgrade Program
- Eagle 800LC Upgrade Program
- AM-8000 Upgrade Program
- AM-7000 Upgrade Program
- Eagle 450 Upgrade Program
- Eagle 250LC / Eagle 250 Upgrade Program
- AM-448 RAID Subsystem Configurator
- AMOS Operating System Update

**Part
Number**

Description

SuperFalcon Application Processor

SuperFalcon Board-level Bundle

B0E-00113-70 SuperFalcon Add-in Application Processor and **AMPC 7.0**
With 4-user PIC*. No memory – you must order at least 32MB
from the price list below. Software available from our
web-site: www.alphamicro.com/ampc/ for
download, or order separate CD-ROM, part number
SCD-00029-50 (see below).

**Software licensed only for use on SuperFalcon Add-in
Application Processor hardware.**

- Virtual terminals are counted as users on AMPC 7.0, but
TRMDEF'd printers are not counted.

B0E-00113-40 SuperFalcon Add-in Application Processor and **AMPC 6.0**
With 4-user PIC*. No memory – you must order at least 32MB
from the price list below. Software available from our
web-site: www.alphamicro.com/ampc/ for
download, or order separate CD-ROM, part number
PSC-00023-50 (see below).

**Software licensed only for use on SuperFalcon Add-in
Application Processor hardware.**

- Virtual terminals are counted as users on AMPC 6.0, but
TRMDEF'd printers are not counted.

Additional AMPC 7.0 PICs (for SuperFalcon user expansion)

PIC-04747-00 AMPC 7.0 User PICs (5 to 8 users)
Price for each user license. Enables use of additional
network connections, serial ports or virtual terminals.
Additional ports, up to 8 users, are licensed on
a per port basis.

PIC-04747-10 AMPC 7.0 User PICs (9 users and above)
Price for each user license. Enables use of additional
network connections, serial ports, or virtual terminals.
Additional ports, beyond 8 users, are licensed on
a per port basis.

Reinstallation of AMPC 7.0 on another PC (new Magic Code required)

PIC-04747-90 AMPC 7.0 Magic Code Update Administration Fee

AMPC 7.0 License Upgrade from AMPC 6.0

PIC-U4747-00 AMPC 7.0 Upgrade License from AMPC 6.0
Software available from our web-site:
www.alphamicro.com/ampc/ for download, or order separate
CD-ROM, part number SCD-00029-50 (see below).

**Software licensed only for use on SuperFalcon Add-in
Application Processor hardware.**

Additional AMPC 6.0 PICs (for SuperFalcon user expansion)

<u>Part Number</u>	<u>Description</u>
PIC-04737-00	AMPC 6.0 User PICs (5 to 8 users) Price for each user license. Enables use of additional network connections, serial ports or virtual terminals. Additional ports, up to 8 users, are licensed on a per port basis.
PIC-04737-10	AMPC 6.0 User PICs (9 users and above) Price for each user license. Enables use of additional network connections, serial ports, or virtual terminals. Additional ports, beyond 8 users, are licensed on a per port basis.

Note: For details on the SuperFalcon and AMPC 6.0, see Marketing Bulletin AMB2002-06, *Important Product Announcement: The SuperFalcon, June 24, 2002*. For details on AMPC 7.0, see Marketing Bulletin AMB2005-14, *Announcing AMPC 7.0*.

SuperFalcon Memory

PFB-00717-32	32MB Memory SODIMM
PFB-00717-64	64MB Memory SODIMM
PFB-00717-C8	128MB Memory SODIMM

High Speed Serial / Parallel Port Cards (for additional SuperFalcon users)

PFB-00131-54	4 Serial Port Universal PCI Card w/Surge Suppression
PFB-00131-58	8 Serial Port Universal PCI Card w/Surge Suppression and Octopus Cable
PC must have one PCI slot available for each Serial / Parallel port card in addition to the PCI slot required by the SuperFalcon.	
PFB-00131-09	8 Port External USB to Serial Port Adapter w/Surge Suppression
PFB-00131-16	16 Port External USB to Serial Port Adapter w/Surge Suppression

Backup Options

PFB-00283-20	PCI SCSI Controller Supports both 50 pin and 68 pin SCSI busses Requires one 32-bit PCI slot. Also requires one SCSI cable (next section) for interconnecting internal SCSI peripherals.
PDB-00629-00	4/8GB narrow SCSI 1/4" Cartridge Streamer Tape
PDB-00651-00	20/40GB wide SCSI 1/4" Cartridge Streamer Tape
PDB-00653-00	35/70GB wide SCSI 1/4" Cartridge Streamer Tape

SCSI Cables for Internal SCSI Peripheral Interconnection

NOTE: If you order a SCSI controller (above), you must order either a narrow SCSI internal cable (50-pin) or wide SCSI internal cable, depending upon the type of internal peripheral (narrow or wide) you are connecting.

DWB-10235-01	Narrow SCSI cable, supports two narrow SCSI peripherals
DWB-10319-42	Wide SCSI cable, with terminator, supports two wide peripherals

AMPC Software on CD-ROM

SCD-00029-50	AMOS 8.1 Update CD Jan 2006 (inc AMPC 7.0 Software) Order this product one time, or download the software and
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**Part
Number**

Description

documentation from our web-site: www.alphamicro.com/ampc/ .
Note: you must order PIC codes separately.
PSC-00023-50 AMPC 5.0 / 6.0 Software on CD-ROM. Order this product one time, or download the software and documentation from our web-site: www.alphamicro.com/ampc/ .
Note: you must order PIC codes separately.

Eagle 750 (Pre-configured SuperFalcon PC Server)

Basic Eagle 750 Server Models

B0E-00113-72 Eagle 750 Server configured with:

- SuperFalcon board with AMPC 7.0 (not including memory)
- Tower chassis & 300 watt power supply
- Sempron 2300 CPU
- Motherboard with the following characteristics:
 - 3 PCI slots
 - 1 serial, 1 parallel, 8 USB ports
 - Integrated graphics controller
- 40 GB or greater 7200 RPM IDE disk drive
- 52x or greater CD-ROM drive
- Ethernet 10 / 100 Mbps interface
- Windows XP Home Edition
- Keyboard & mouse

B0E-00113-73 Same as Eagle 750 Server shown above except Windows XP Professional Edition is supplied instead of Windows XP Home Edition

Note: For each of the Eagle 750 Server systems shown above, you must order SuperFalcon Memory (see previous page) and PC Memory (shown below).

Note: For details on the Eagle 750, see Marketing Bulletin AMB2005-14, *Announcing AMPC 7.0, November 21, 2005.*

Higher Speed Processor Option

Order this at system order time to replace the standard processor with a higher speed processor.

B0E-00113-80 Sempron 3000 CPU Processor Option for Eagle 750

PC Memory

PFB-00720-C8 128 MB PC2700 DDR RAM, each
PFB-00720-D6 256 MB PC2700 DDR RAM, each
PFB-00720-E2 512 MB PC2700 DDR RAM, each
PFB-00720-F4 1 GB PC2700 DDR RAM, each

Disk Drives — DMA / ATA 133

NOTE: Only order if you require more than the one initial 40GB drive.

PFB-00431-62 40GB DMA / ATA 133 Disk Drive

<u>Part Number</u>	<u>Description</u>
PFB-00431-63	80GB DMA / ATA 133 Disk Drive
PFB-00431-64	120GB DMA / ATA 133 Disk Drive

To substitute a larger disk drive for the drive included in the Eagle 750 standard system configuration, simply order the larger disk drive and you will be charged the difference in the VAR price between the larger drive you are substituting and the standard drive included in the standard Eagle 750 system configuration.

Eagle 750 Server Accessories

System Monitor

PRB-00311-10 17" LCD monitor

High Speed Serial / Parallel Port Cards (for additional SuperFalcon users)

PFB-00131-54 4 Serial Port Universal PCI Card w/Surge Suppression

PFB-00131-58 8 Serial Port Universal PCI Card w/Surge Suppression and Octopus Cable

PC must have one open PCI slot for each Serial / Parallel port card in addition to the PCI slot required by the SuperFalcon. The base Eagle 750 has two available 32-bit PCI slots.

PFB-00131-09 8 Port External USB to Serial Port Adapter w/Surge Suppression

PFB-00131-16 16 Port External USB to Serial Port Adapter w/Surge Suppression

SCSI Controller for SCSI Disk and Tape Drives

PFB-00283-20 PCI SCSI Controller
Supports both 50 pin and 68 pin SCSI busses

PC must have one PCI slot available for the PCI SCSI controller in addition to the PCI slot required by the SuperFalcon.

SCSI Cables for Internal SCSI Peripheral Interconnection

NOTE: If you order a SCSI controller (above) for internal SCSI peripherals, you must order either a narrow SCSI internal cable (50-pin) or wide SCSI internal cable, depending upon the type of internal peripheral (narrow or wide) you are connecting.

DWB-10235-01 Narrow SCSI cable, supports two narrow SCSI peripherals
DWB-10319-42 Wide SCSI cable, with terminator, supports two wide peripherals

Wide SCSI Adapters and External SCSI Cable

PDB-00440-85 Cable, Wide SCSI, 68-pin VHDC68/50-pin Male, 3 ft.
PDB-00440-91 Wide SCSI Adapter, 50-pin Device to 68-Pin Wide Bus

Optional Backup Hardware

B0E-00304-10 CD Read / Write 4X4X32 IDE Internal
Order this option to replace the 52x or greater CD-ROM included in the above Super Falcon Server package.

PRF-00304-10 CD Read / Write 4X4X32 IDE Internal
Order this option to add to an Eagle 750 in the field.

B0E-00312-51 DVD-RAM Drive, Internal, ATAPI with media
Order this option to replace the 52x or greater CD-ROM included in the above Super Falcon Server package.

B0E-00403-52 DVD-RAM Drive, Internal; ATAPI with media

**Part
Number**

Description

Order this option to add to an Eagle 750 in the field.

NOTE: The following Tape drives require the optional SCSI controller, PFB-00283-20, and internal SCSI cable, listed previously.

PDB-00629-00	4/8GB narrow SCSI 1/4" Cartridge Streamer Tape
PDB-00651-00	20/40GB wide SCSI 1/4" Cartridge Streamer Tape
PDB-00653-00	35/70GB wide SCSI 1/4" Cartridge Streamer Tape

**Part
Number**

Description

Eagle 800 Series Systems

Eagle 800 Series II Base System

NOTE: Any order for an Eagle 800 system must include an order for an AMOS 8.0 license (8-port minimum), or an authorized transfer of up to 16 ports of the AMOS license from a traded-in system.

SBC-EG800-03 Eagle 800 Series II System, Deskside Chassis (w/CD-RW)

Includes:

- AMD Sempron 3000 microprocessor
- 10 Mbps / 100 Mbps Ethernet interface
- 512MB PC3200 DDR DIMM(s)
- 1 40 GB DMA / ATA 133 disk drive
- CD-RW drive
- 4 Serial I/O ports, RJ-45
- 1 Serial I/O port, COM port DB-9 male
- 1 Parallel Port
- Deskside mid-size tower chassis.
- Console keyboard and mouse
- Windows XP Embedded Software License
- Norton Ghost Software License

SBC-EG800-04 Eagle 800 Series II System, Deskside Chassis (w/DVD-RAM)

Includes:

- AMD Sempron 3000 microprocessor
- 10 Mbps / 100 Mbps Ethernet interface
- 512MB PC3200 DDR DIMM(s)
- 1 40 GB DMA / ATA 133 disk drive
- DVD-RAM drive
- AMOS DVD software PIC
- 4 Serial I/O ports, RJ-45
- 1 Serial I/O port, COM port DB-9 male
- 1 Parallel Port
- Deskside mid-size tower chassis.
- Console keyboard and mouse
- Windows XP Embedded Software License
- Norton Ghost Software License

Additional AMOS User Licenses for Eagle 800 System

PIC-08018-01 AMOS 8.x Initial E/U License PIC for Eagle 800 - order as many ports as you require at initial order time. You will be automatically invoiced according to the following chart.

Minimum 8 Port Entry PIC
9th Through the 32nd Port, each
33rd port and up, each

**Part
Number**

Description

Eagle 800LC Series II Base System

NOTE: Eagle 800LC systems come with a four user AMOS 8.x license. Trade-in credits are not offered for this system, but an SSD may be migrated from an older system. Maximum AMOS license for this system is 16 users.

SBC-EG800-23 Eagle 800LC Series II System, Deskside Chassis (w/CD-RW)

Includes:

- AMD Sempron 2600 microprocessor
- 10 Mbps / 100 Mbps Ethernet interface
- 256MB PC3200 DDR DIMM
- 1 40 GB DMA / ATA 133 disk drive
- CD-RW drive
- 4 Serial I/O ports, RJ-45
- 1 Serial I/O ports, COM port DB-9 male
- 1 Parallel Port
- Deskside mid-size tower chassis.
- Console keyboard and mouse
- AMOS 8.x Four Port Operating System Software License
- Windows XP Embedded Software License
- Norton Ghost Software License

SBC-EG800-24 Eagle 800LC Series II System, Deskside Chassis (w/DVD-RAM)

Includes:

- AMD Sempron 2600 microprocessor
- 10 Mbps / 100 Mbps Ethernet interface
- 256MB PC3200 DDR DIMM
- 1 40 GB DMA / ATA 133 disk drive
- DVD-RAM drive
- AMOS DVD software PIC
- 4 Serial I/O ports, RJ-45
- 1 Serial I/O port, COM port DB-9 male
- 1 Parallel Port
- Deskside mid-size tower chassis.
- Console keyboard and mouse
- AMOS 8.x Four Port Operating System Software License
- Windows XP Embedded Software License
- Norton Ghost Software License

Additional AMOS User Licenses for Eagle 800LC System

PIC-08028-01 AMOS 8.x Initial E/U License PIC for Eagle 800LC -order up to a total of 16 ports. (The Eagle 800LC comes with a 4 port license included in the base system.) You will be automatically invoiced according to the following chart.

Minimum 4 Port Entry PIC (included in base system)
5th through the 8th port, each
9th through 16th port, each
Minimum 4 Port Entry PIC (if purchased separately)

Memory

NOTE: Only order if you require more than the initial memory in the system base configuration. Up to a total of 3 DIMMs may be installed, including those contained in the basic configuration.

**Part
Number**

Description

Eagle 800 Series II Systems (SBC-EG800-03, 04, 23, 24)

PFB-00722-C8	128 MB PC3200 DDR RAM, each
PFB-00722-D6	256 MB PC3200 DDR RAM, each
PFB-00722-E2	512 MB PC3200 DDR RAM, each
PFB-00722-F4	1 GB PC3200 DDR RAM, each

Eagle 800 Series I Based Systems (SBC-EG800-01, 02, 21, 22)

PFB-00720-C8	128 MB PC2700 DDR RAM, each
PFB-00720-D6	256 MB PC2700 DDR RAM, each
PFB-00720-E2	512 MB PC2700 DDR RAM, each
PFB-00720-F4	1 GB PC2700 DDR RAM, each

Disk Drives — DMA / ATA 133

NOTE: Only order if you require more than the one initial 40GB drive.

PFB-00431-62	40GB DMA / ATA 133 Disk Drive
PFB-00431-65	200GB DMA / ATA 100 Disk Drive

To substitute a larger disk drive for the drive included in the Eagle 800 standard system configuration, simply order the larger disk drive and you will be charged the difference in the VAR price between the larger drive you are substituting and the standard drive included in the standard Eagle 800 system configuration.

SCSI Controller for SCSI Disk and Tape Drives

PFB-00283-20	PCI SCSI Controller Supports both 50 pin and 68 pin SCSI busses
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Requires one 32-bit PCI slot. The base Eagle 800 and 800LC Series II systems have two or four available 32-bit PCI slots, depending upon the motherboard. Also requires one SCSI cable (below) for interconnecting internal SCSI peripherals. (Previous Eagle 800 and 800LC Series I systems have two available 32 bit PCI slots.)

SCSI Cables for Internal SCSI Peripheral Interconnection

NOTE: If you order a SCSI controller (above) for internal SCSI peripherals, you must order either a narrow SCSI internal cable (50-pin) or wide SCSI internal cable, depending upon the type of internal peripheral (narrow or wide) you are connecting.

DWB-10235-01	Narrow SCSI cable, supports two narrow SCSI peripherals
DWB-10319-42	Wide SCSI cable, with terminator, supports two wide peripherals

AM-448 RAID Subsystems

NOTE: Requires optional SCSI controller, PFB-00283-20. See RAID section of this price list and Marketing Bulletin AMB2002-11, *New RAID Subsystems Announced*, October 28, 2002, for details of this high speed external RAID subsystem product series.

AM-452 Internal RAID Subsystem

NOTE: See RAID section of this price list and Marketing Bulletin AMB2004-03, *Low Cost Internal IDE RAID Level 1 Product Announced*, March 15, 2004, for details of this high speed internal RAID Level 1 product.

Optional Backup Hardware

**Part
Number**

Description

NOTE: Requires optional SCSI controller, PFB-00283-20 and internal SCSI cable.

PDB-00629-00	4/8GB narrow SCSI 1/4" Cartridge Streamer Tape**
PDB-00629-20	4/8GB narrow SCSI 1/4" Cartridge Streamer Tape, Black**
PDB-00651-00	20/40GB wide SCSI 1/4" Cartridge Streamer Tape
PDB-00651-20	20/40GB wide SCSI 1/4" Cartridge Streamer Tape, Black
PDB-00653-00	35/70GB wide SCSI 1/4" Cartridge Streamer Tape
PDB-00653-20	35/70GB wide SCSI 1/4" Cartridge Streamer Tape, Black
PDB-00904-00	External Peripheral Chassis for mounting one 5-1/4" SCSI peripheral (like those above) if you run out of mounting space in the chassis. Configured for wide SCSI peripheral. Order PDB-00440-84 external cable and adapter from the list below:

Wide SCSI Adapters and External SCSI Cables

PDB-00440-84	Cable, Wide SCSI, 68-pin VHDC68/68-pin Male, 3 ft.
PDB-00440-85	Cable, Wide SCSI, 68-pin VHDC68/50-pin Male, 3 ft.
PDB-00440-91	Wide SCSI Adapter, 50-pin Device to 68-Pin Wide Bus

High Speed Serial / Parallel Port Cards

PFB-00131-54	4 Serial Port Universal PCI Card w/Surge Suppression
PFB-00131-58	8 Serial Port Universal PCI Card w/Surge Suppression and Octopus Cable
	Requires one universal PCI slot for each Serial port card. The base Eagle 800 Series II has two or four available 32-bit PCI slots. (Previous Eagle 800 and 800LC Series I systems have two available 32 bit PCI slots.)
PFB-00131-09	8 Port External USB to Serial Port Adapter w/Surge Suppression
PFB-00131-16	16 Port External USB to Serial Port Adapter w/Surge Suppression

Serial I/O Adapters

DWB-10317-25	One connector adapter used to convert standard PC connector (DB-9M) to Alpha Micro RJ-45 style
PDB-00359-58	Kit of 4 connector adapters used to convert standard PC connectors (DB-9M) to Alpha Micro RJ-45 style
PDB-00359-59	Kit of 6 adapter cables (4 ft) used to convert the standard RJ-45 serial I/O connectors to DB-9F connectors

Eagle 800 / 800LC Chassis Options

SBC-08802-TL	Larger black pedestal chassis option for Eagle 800 Systems (Factory option only, not for field installation) Provides a total of five 5-1/4" and five 3-1/2" peripheral drive bays (standard Eagle 800 chassis has three 5-1/4" and five 3-1/2" peripheral drive bays). Specify this part number on your Eagle 800 system order
SBC-08002-RM	Rack Mount adapter kit option for Eagle 800 Systems For use with SBC-08802-TL chassis option.

**Part
Number**

Description

Includes slide rails and rack mounting ears.
Specify this part number on your Eagle 800 system order

Eagle 800 / 800LC Mini-Redundant Power Supply Options

- SBC-08000-RP Mini-Redundant 400 Watt Power Supply Option for Eagle 800 systems in Rack Mount or SBC-08800-TL chassis option. Specify this part number on your system order for replacement of the standard system power supply with redundant, hot swappable power supply capability.
Does NOT fit in standard Eagle 800 pedestal chassis.
- SBC-08001-RP Mini-Redundant 400 Watt Power Supply Option for Eagle 800 systems in large pedestal chassis (SBC-08801-TL). Specify this part number on your system order for replacement of the standard system power supply with redundant, hot swappable power supply capability.

Miscellaneous Items

- PRB-00311-10 17" LCD monitor
- PRB-00311-20 17" LCD monitor, black
- B0E-00403-52 DVD-RAM Drive, Internal; ATAPI with media & AMOS DVD PIC
- B0E-00403-53 DVD-RAM Drive, Internal, black; ATAPI with media & AMOS DVD PIC

Eagle 800 / 800LC Spare Parts

- PRF-00320-00 Power Supply for Eagle 800 and 800LC
- PRF-00318-21 Spare 400 watt hot swappable power supply module for Eagle800 or 800LC with mini-redundant power supply option
- PRB-00319-02 Main CPU Board (3 slot) with single Sempron 3000 Processor for Eagle 800 Series II (SBC-EG800-03 and -04)
- PRB-00319-00 Main CPU Board with single XP2400+ Processor for Eagle 800 Series I (SBC-EG800-01 and -02)
- PRB-00319-22 Main CPU Board (3 slot) with single Sempron 2600 Processor for Eagle 800LC Series II (SBC-EG800-23 and -24)
- PRB-00319-20 Main CPU Board with single XP1800+ Processor for Eagle 800LC Series I (SBC-EG800-21 and -22)
- PDB-00113-45 Four Port Serial I/O / SSD Controller for Eagle 800 and 800LC
- PDB-00403-52 DVD-RAM Drive, Internal; ATAPI (no AMOS PIC)
- PDB-00403-53 DVD-RAM Drive, Black, Internal; ATAPI (no AMOS PIC)

**Part
Number**

Description

Note: Other items, such as memory and peripherals, can be purchased at the standard Eagle 800 pricing listed in the main Eagle 800 product price list.

**Part
Number**

Description

AM-8000 Systems

- For AM-8000 Series II product information, see Marketing Bulletin AMB2006-10, *AM-8000 Gets a Faster Processor and a New Look, September 29, 2006*, and AMB2005-07, *Announcing the AM-8000 Series II, April 25, 2005*. For AM-8000 Series I product information, see Marketing Bulletin AMB2003-05, *Announcing the AM-8000, July 28, 2003*.

NOTE: Any order for an AM-8000 system must include an order for an AMOS 8.0 (8-port minimum), or an authorized transfer of the AMOS license from a traded-in system. Consult Sales Order Administration for details on available trade-in credits for the return of most existing Alpha Micro systems.

AM-8000 Series II Base System

SBC-08000-21 AM-8000 Series II System, Black Pedestal Chassis

Includes:

- AMD Opteron 256 microprocessor
- Dual Ultra320 SCSI controllers (Wide SCSI)
- Gigabit Ethernet interface
- 10 Mbps / 100 Mbps Ethernet interface
- 2 512MB PC3200 Registered ECC DDR DIMMs
- 1 36 GB 15K RPM disk drive
- DVD-RAM recorder
- AMOS DVD-RAM software PIC
- 4 Serial I/O ports, RJ-45
- 2 Serial I/O ports, COM port DB-9 male
- 1 Parallel Port
- Black pedestal chassis.
- 17" Flat Screen LCD Monitor for console display
- Console keyboard and mouse

SBC-08000-23 AM-8000 Series II System, Black Pedestal Chassis for

Upgrade from AM-8000 Series I **ONLY**.

Includes:

- AMD Opteron 256 microprocessor
- Dual Ultra320 SCSI controllers (Wide SCSI)
- Gigabit Ethernet interface
- 10 Mbps / 100 Mbps Ethernet interface
- 2 512MB PC3200 Registered ECC DDR DIMMs
- 1 36 GB 15K RPM disk drive
- 4 Serial I/O ports, RJ-45
- 2 Serial I/O ports, COM port DB-9 male
- 1 Parallel Port
- Black pedestal chassis.

Opteron 256 Upgrade for AM-8000 Series II

UPG-08000-02 Opteron 252 or 254 to 256 Upgrade Kit

Includes:

Opteron 256 CPU chip and fan
Magic Code to activate AMOS for this CPU

**Part
Number**

Description

Additional AMOS User Licenses for AM-8000 Systems

PIC-08008-XX AMOS 8.x Initial E/U License PIC for AM-8000 - order as many ports as you require at initial order time. You will be automatically invoiced according to the following chart.

Minimum 8 Port Entry PIC
9th Through the 50th Port, each
51st Through the 150th Port, each
151st Port and Up, each

Second Opteron Processor for AM-8000 Series II Systems

NOTE: Only order if you want two Opteron Processors in the AM-8000 Series II system you purchase. You must also order memory for a second processor equal to the amount of memory included in the base AM-8000 Series II system. Processors must be of like type; you cannot mix a 252, 254, or 256 in the same system.

ICS-26000-00 CPU, Opteron 252, with heat sink and fan
ICS-28000-00 CPU, Opteron 254, with heat sink and fan
ICS-30000-00 CPU, Opteron 256, with heat sink and fan

Memory

NOTE: Only order if you require more than the initial 1GB RAM. Up to a total of 4 DIMMs may be installed.

AM-8000 Series II Opteron Based Systems

PFB-00721-E2 512 MB PC3200 Registered ECC DDR RAM, each
PFB-00721-F4 1GB PC3200 Registered ECC DDR RAM, each

Note: Always add memory in pairs. For example, when adding 1GB to an AM-8000 Series II system, order two PFB-00721-E2 memory SIMMs.

AM-8000 Series I Dual Athlon Based Systems (SBC-08000-01)

PFB-00719-E2 512 MB PC2100 CL2.5 Registered ECC DDR RAM, each
PFB-00719-F4 1GB PC2100 CL2.5 Registered ECC DDR RAM, each

Disk Drives — Fast-Wide Ultra SCSI

NOTE: Only order if you require more than the one initial drive.

B0E-00440-10 36GB Fast-Wide Ultra SCSI Disk Drive, 15000 RPM

To substitute a larger disk drive for the drive included in any AM-8000 standard system configuration, simply order the larger disk drive and you will be charged the difference in the VAR price between the larger drive you are substituting and the standard drive included in the standard AM-8000 system configuration.

AM-448 RAID Subsystems

NOTE: See RAID section of this price list and Marketing Bulletin AMB2002-11, *New RAID Subsystems Announced*, October 28, 2002, for details of this high speed external RAID subsystem product series.

Optional Backup Hardware

PDB-00629-00 4/8GB narrow SCSI 1/4" Cartridge Streamer Tape**
PDB-00629-20 4/8GB narrow SCSI 1/4" Cartridge Streamer Tape, Black**
PDB-00651-00 20/40GB wide SCSI 1/4" Cartridge Streamer Tape

<u>Part Number</u>	<u>Description</u>
PDB-00651-20	20/40GB wide SCSI 1/4" Cartridge Streamer Tape, Black
PDB-00653-00	35/70GB wide SCSI 1/4" Cartridge Streamer Tape
PDB-00653-20	35/70GB wide SCSI 1/4" Cartridge Streamer Tape, Black

** requires PDB-00440-91 wide SCSI bus adapter

PDB-00904-00 External Peripheral Chassis for mounting one 5-1/4" SCSI peripheral (like those above) if you run out of mounting space in the chassis. Configured for wide SCSI peripheral. Order the appropriate external cable and adapter from the list below:

Wide SCSI Adapters and Cables

PDB-00440-77	Internal SCSI Cable that brings high speed SCSI port (Port A) to the rear panel. This is primarily used to attach an external RAID subsystem to the rack mount or tall pedestal chassis.
PDB-00440-80	Cable, Wide SCSI, 68-pin Male/50-pin Male, 3 ft.
PDB-00440-81	Cable, Wide SCSI, 68-pin Male/50-pin Male, 6 ft.
PDB-00440-82	Cable, Wide SCSI, 68-pin Male/68-pin Male, 6 ft.
PDB-00440-83	Cable, Wide SCSI, 68-pin Male/68-pin Male, 3 ft.
PDB-00440-91	Wide SCSI Adapter, 50-pin Device to 68-Pin Wide Bus

High Speed Serial Port Cards (for AM-8000 internal installation or USB connection)

AM-8000 Series II Opteron Based Systems

PFB-00131-54	4 Serial Port Universal PCI Card w/Surge Suppression
PFB-00131-58	8 Serial Port Universal PCI Card w/Surge Suppression and Octopus Cable
Requires one universal PCI slot for each Serial port card.	
The base AM-8000 Series II has four available slots.	
PFB-00131-09	8 Port External USB to Serial Port Adapter w/Surge Suppression
PFB-00131-16	16 Port External USB to Serial Port Adapter w/Surge Suppression

AM-359 Serial Port Cards (must mount in external chassis)

PDB-00359-01	8-port Serial I/O Module. Not opto-isolated.
PDB-00359-00	8-port Serial I/O Module. Includes opto-isolation.

Serial I/O Adapters

PDB-00359-58	Kit of 4 connector adapters used to convert standard PC connectors (DB-9M) to Alpha Micro RJ-45 style
PDB-00359-59	Kit of 6 adapter cables (4 ft) used to convert the six standard RJ-45 serial I/O connectors to DB-9F connectors

AM-8000 Rack Mount Chassis Options

SBC-08002-RM	Rack Mount kit for AM-8000 dual style chassis Includes slide rails and rack mount handles to mount dual
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**Part
Number**

Description

style chassis. Specify this part number on your system order.

PDB-00440-77 Internal SCSI Cable that brings high speed SCSI port (Port A) to the rear panel. This is primarily used to attach an external RAID subsystem to the rack mount or tall pedestal chassis.

AM-8000 Mini-Redundant Power Supply Options

SBC-08001-RP Mini-Redundant 400 Watt Power Supply Option for AM-8000 Series II tower configuration. Specify this part number on your system order for replacement of the standard system power supply with redundant, hot swappable power supply capability.

SBC-08000-RP Mini-Redundant 400 Watt Power Supply Option for AM-8000 Series I or AM-8000 rack mount chassis. Specify this part number on your system order for replacement of the standard system power supply with redundant, hot swappable power supply capability.

AM-905-31 Expansion Chassis for AM-8000

NOTE: The AM-905-31 provides mounting space for up to 15 serial I/O paddle cards. For serial I/O configuration rules, see the standard hardware price list and / or Marketing Bulletin AMB96-31.

PDB-00905-31 I/O Expansion Chassis. Housed in free standing metal chassis. Provides 15 paddle card slots. Includes 230W power supply, internal interface boards and cables, and 3 ft external cable.

UPG-20774-00 Rack Mounting Kit, AM-905-3X

AM-3501 Expansion Subsystem for AM-8000

NOTE: The AM-3501 provides mounting space for up to 7 serial I/O paddle cards. For serial I/O configuration rules, see the standard hardware price list and / or Marketing Bulletin AMB95-54.

PDB-03501-01 AM-3501-01 Expansion Subsystem. Housed in desk side mini-chassis identical to Eagle desk side mini-chassis. Provides seven paddle card slots. Includes power supply, internal interface boards and cables, and 3 ft external cable.

External Interface for Existing Paddle Card Subsystems

NOTE: This item is only required for those configurations that already have an existing AM-905 or AM-3501 I/O Expansion chassis. This interface allows you to attach your existing I/O chassis with AM-359 paddle cards to the AM-8000.

PDB-00349-90 Includes AM-349-20 interface board, external 3 ft cable, and host I/O connector to allow the connection of an existing AM-905 or AM-3501 I/O subsystem chassis to the AM-8000 system.

External Interface for Attaching a Second Paddle Card Subsystem

**Part
Number**

Description

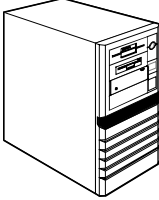
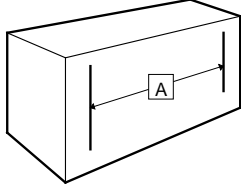
NOTE: This item requires one 32 bit PCI slot in the AM-8000 Series I, and provides an interface for attaching a second AM-905 or AM-3501 I/O Expansion chassis subsystem. It is not offered for the AM-8000 Series II.

B0E-00113-51	Includes four serial I/O ports plus a second external paddle card interface to allow the connection of a second AM-905 or AM-3501 I/O subsystem chassis to the AM-8000 system.
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**Part
Number**

Description

Expansion Chassis Specifications (AM-8000)

	AM-3501 Expansion Subsystem PDB-03501-01	AM-905-31 I/O Expansion Chassis PDB-00905-31
	 <p><i>General appearance: similar to Eagle 250 deskside mini-chassis.</i></p>	 <p><i>General appearance: aluminum enclosure with painted finish. In diagram above, A indicates row of 16 paddle card slots.</i></p>
Dimensions	17¾"H x 9"W x 17"D	14"H x 19"W x 8½"D
Power Supply	230W 115/230VAC 50/60HZ	230W 115/230VAC 50/60HZ
Chassis Mounting		
Tabletop	Standard chassis, as is	Standard chassis, as is
Wall mount	No provision for wall mount	Mounting holes in back of case
Rack mount—optional kit required	PDB-03501-51	UPG-20774-00; requires 21 inches of vertical space
I/O Expansion Facilities		
Paddle card slots; internal cables and power wiring are included	7 slots	15 slots
Maximum physically installable serial ports	7 ea. AM-359 cards (56 serial ports)	15 ea. AM-359 cards (120 serial ports)
I/O cable to host system	3 ft long, included	3 ft long, included
SCSI Device Expansion Facilities		
Maximum SCSI devices installable	4 half-height devices	None
External wide SCSI cable (68-pin connector)	PDB-00440-76 Cable Kit <i>plus</i> PDB-00440-82 (6 ft.) <i>or</i> PDB-00440-83 (3 ft.)	

**Part
Number**

Description

AMOS Terminal Server Upgrade

NOTE: These items are only required for those configurations that wish to keep their existing Alpha Micro system as a terminal server. This allows retention and use of AM-355, AM-358, and APU serial I/O cards. The existing Alpha Micro system must contain an Ethernet connection to allow high speed network access to the AM-8000 system. A new SSD and restricted AMOS license will be provided, with number of ports matching your existing AMOS license. The system trade-in credit towards the AM-8000 will be forfeited. You must sign a form agreeing to restrict use of AMOS Terminal Server Edition to terminal server purposes only. No third party software may be encoded to an AMOS Terminal Server Edition SSD.

SBS-UPGTX-00 AMOS Terminal Server Edition, DIP SSD
Licensed to the same number of ports as the original SSD
being upgraded. Includes a new DIP style SSD.

SBS-UPGTX-01 AMOS Terminal Server Edition, SMD SSD
Licensed to the same number of ports as the original SSD
being upgraded. Includes a new SMD style SSD.

AM-8000 Spare Parts

PRF-00318-00 Power Supply for AM-8000

PRF-00318-21 Spare 400 watt hot-swappable power supply module for AM-8000
with mini-redundant power supply option

PRB-00317-00 AM-8000 Series I Main CPU Board with dual
MP2800+ Processors

PRB-00317-10 AM-8000 Series I Main CPU Board with dual
MP2800+ Processors & SCSI Controller

PRB-00325-00 AM-8000 Series II Main CPU Board with One Opteron 252 CPU

PRB-00325-01 AM-8000 Series II Main CPU Board with One Opteron 254 CPU

PRB-00325-02 AM-8000 Series II Main CPU Board with One Opteron 256 CPU

DWB-00966-50 AM-8000 Series II Reset Controller Board

PDB-00403-52 DVD-RAM Drive, Internal; ATAPI (no AMOS PIC)

PDB-00403-53 DVD-RAM Drive, Black, Internal; ATAPI (no AMOS PIC)

Note: Other items, such as memory, peripherals, and the AM-113-50
Serial I/O / SSD controller, can be purchased at the standard
AM-8000 pricing listed in the main AM-8000 product price list.

**Part
Number**

Description

AM-448 RAID Subsystems

NOTE: See table on the following page for AM-448 configuration overview. Numerous hardware and software configuration rules apply to this product. Before making customer commitments, see Marketing Bulletin AMB2002-11, *New High Performance RAID Subsystems Announced*, Oct. 30, 2002, and AMB2004-04, *Rack Mount and Fault Tolerant Power Enhancements for AM-8000 and Eagle 800 Systems*, March 15, 2004.

Call Sales Order Administration for help in pricing or advice on configurations.

Mini-RAID Configurations

PDB-00448-40 AM-448 Mini-RAID Subsys; No Disk Drives
A minimum of two disk drives (same capacity) must be ordered with this subsystem.
A maximum of four disk drives (same capacity) can be configured in this subsystem.

Standard RAID Configurations

PDB-00448-80 AM-448 Std RAID Subsys; No Disk Drives
A minimum of two disk drives (same capacity) must be ordered with this subsystem.
A maximum of eight disk drives (same capacity) can be configured in this subsystem.

Rack Mount RAID Configurations

PDB-00448-R0 AM-448 Std RM RAID Subsys; No Disk Drives (with mtg rails)
A minimum of two disk drives (same capacity) must be ordered with this subsystem.
A maximum of eight disk drives (same capacity) can be configured in this subsystem.

AM-448 RAID Cache Memory

Order only if you need more than the 64MB SIMM that is included in the standard AM-448 subsystem. There is only one slot for cache memory in the RAID subsystem.

PFB-00718-C8 RAID Cache Memory, 128 MB SIMM
PFB-00718-D6 RAID Cache Memory, 256 MB SIMM
PFB-00718-E2 RAID Cache Memory, 512 MB SIMM

High Speed Internal SCSI Cable for Host System

Order only if you are adding an AM-448 RAID subsystem to an existing system purchased prior to the AM-448 announcement.

DWB-10319-40 High Speed Int SCSI Cable for Eagle, AM-6000, and
AM-7000 Deskside chasses
DWB-10319-01 High Speed Internal SCSI Cable for AM-990 Single-
wide or Double-wide chasses

AM-448 RAID Disk Modules

Order only if you need additional drives for an existing AM-448 RAID subsystem or for spare drives.

PDB-00448-00 AM-448 40GB Disk Drive
PDB-00448-03 AM-448 200GB Disk Drive

AM-448 RAID Spare Parts

Mini-RAID Subsystem

<u>Part Number</u>	<u>Description</u>
PRF-00313-80	Hard Drive Tray
PRF-00313-81	Power Supply, 200 watt
PRF-00313-82	Cooling Fan Set

Standard RAID Subsystem

PRF-00313-90	Hard Drive Tray
PRF-00313-91	Power Supply Module, 300 watt
PRF-00313-92	Cooling Fan Set

Rack Mount RAID Subsystem

PRF-00322-90	Hard Drive Tray
PRF-00322-91	Power Supply Module, 300 watt
PRF-00322-92	Cooling Fan Set

Field Installation with Host System in AM-990 Chassis

The *AM-448 RAID Subsystem Configurator* form includes a check box for host system chassis style. It's important that we know this information, especially if you plan to install the AM-448 as a field upgrade to a system housed in an AM-990 chassis. You may need to order a modified top cover for the AM-990 along with the AM-448, if there are no SCSI cable exit slots in the side of the cover.

DWF-20657-00	Modified Top Cover for AM-990 Chassis
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**Part
Number**

Description

AM-448 RAID Subsystem Hardware Configuration Overview

- Select the RAID Subsystem basic physical size (Mini or Standard)
- AMOS host system must be Wide SCSI, and contain a high speed twisted pair internal SCSI cable. Systems already in the field as of October 10, 2002 will require the purchase of a new high speed internal SCSI cable.

Part No.	Product Description	Usable Capacity (Approx.)	
		Without a Spare Disk	With Spare Configured
	Mini-RAID RAID Subsystems		
PDB-00448-40	RAID Level 1 Subsystem, 2 x 40GB drives	40GB	n/a
40GB drives	RAID Level 5* Subsystem, 3 x 40GB drives	80GB	n/a
	RAID Level 5 Subsystem, 4 x 40GB drives	120GB	80GB
	Standard or Rack Mount RAID Subsystems		
PDB-00448-80	RAID Level 5 Subsystem, 2 x 40GB drives	40GB	n/a
40 GB drives	RAID Level 5 Subsystem, 3 x 40GB drives	80GB	n/a
	RAID Level 1 Subsystem, 4 x 40GB drives	120GB	80GB
	RAID Level 5* Subsystem, 5 x 40GB drives	160GB	120GB
	RAID Level 5 Subsystem, 6 x 40GB drives	200GB	160GB
	RAID Level 5 Subsystem, 7 x 40GB drives	240GB	200GB
	RAID Level 5 Subsystem, 8 x 40GB drives	280GB	240GB
	RAID Disk Modules		
	<ul style="list-style-type: none"> • Order for use as shelf-stocked, off-line spare disks when mounted into disk trays. Hot-swap into the AM-448 as required. • Order when required to construct an AM-448 configuration other than those shown above, or when expanding an existing AM-448 RAID subsystem. 		
PDB-00448-00	RAID Disk Drive, 40GB		
PDB-00448-03	RAID Disk Drive, 200GB		
	RAID Cache Memory Modules		
	<ul style="list-style-type: none"> • Order only if you need larger than 64MB cache, only one cache memory slot in the RAID controller 		
PFB-00718-C8	RAID Cache Memory, 128MB SIMM		
PFB-00718-D6	RAID Cache Memory, 256MB SIMM		
PFB-00718-E2	RAID Cache Memory, 512MB SIMM		
	High speed internal SCSI cable for main system		
	<ul style="list-style-type: none"> • Order the style you need based on your system type. Systems ordered with AM-448 RAID subsystems will already contain this cable. 		
DWB-10319-40	Cable for Eagle, AM-6000 or AM-7000 deskside enclosure.		
DWB-10319-01	Cable for AM-990 Single Wide or Double Wide Chassis		

* Three drives can also be configured as a RAID 1 subsystem with a hot spare. Order the PDB-00448-xx part number shown here, then specify *RAID 1* on the Subsystem Configurator form contained in this document.

**Part
Number**

Description

AM-452 Internal IDE RAID Subsystem

NOTE: This product is a RAID Level 1 subsystem, and occupies two 5-1/4" removable drive slots in the system chassis. It connects directly to the system's IDE disk drive port. It includes one IDE disk drive, since usually you will want to move the standard system IDE disk from an Eagle 800 into the one remaining vacant disk drive slot in the subsystem. If you are not relocating an existing IDE disk drive, then you must purchase another disk drive, as listed below. See Marketing Bulletin AMB2004-03, *Low Cost Internal IDE RAID Level 1 Product Announced*, March 15, 2004.

- PDB-00452-22 AM-452 Internal IDE RAID with one 40GB disk drive and two drive trays
- PDB-00452-23 AM-452 Internal IDE RAID, black, with one 40GB disk drive and two drive trays
- Note: One 40 GB disk drive is contained in the standard Eagle 800 system, and will be configured in the RAID array at system integration time, for a total of two disk drives. If you need a spare drive and / or drive tray, order the additional parts shown below.
- PRF-00321-80 Spare Hard Drive Tray for AM-452

AM-452 RAID Disk Modules

Order only if you need a second drive or a spare drive. Usually, the second drive comes from the standard system configuration (Eagle 800). Both drives in the AM-452 must be the same capacity.

- PFB-00431-62 Additional 40GB DMA / ATA 133 Disk Drive
- PFB-00431-65 200GB DMA / ATA 100 Disk Drive

AM-452 RAID Spare Parts

- PRF-00321-80 Spare Hard Drive Tray for AM-452

**Part
Number**

Description

Terminals & Thin-Client Workstations

ASCII Terminals

- PDB-00065-10 AM-65 Green Terminal-110/220V U.S. Kbd. - RS232 only
(1-year return to factory warranty only)
- PDU-00065-10 Remanufactured AM-65 Green Terminal, U.S. Kbd.
(6-month return to factory warranty only, subject to availability)

Thin Client Workstations

- PDB-00082-11 AM-82 Thin Client Terminal, basic configuration 512KB flash
no add-in terminal emulation
- B0E-00082-12 AM-82 Thin Client Terminal, basic configuration 512KB flash
UA Systems LiTE terminal emulator included
- B0E-00082-13 AM-82 Thin Client Terminal, basic configuration 512KB flash
COOL.STF ZTERM terminal emulator included
- B0E-00082-14 AM-82 Thin Client Terminal, basic configuration 512KB flash
UA Systems Secure LiTE terminal emulator included

Thin Client Accessories

- PDB-00082-80 Wireless interface (installs inside AM-82)
- PRB-00311-10 17" LCD monitor
- PRB-00139-00 Keyboard
- PRA-00270-00 Mouse
- PDB-00082-81 Flash memory upgrade to 1GB

Thin Client TrueGUI Software

- PDB-00082-90 *TrueGUI* 1.0 Option (at Thin Client order time)
Includes 1 GB Flash memory upgrade and *TrueGUI* license
1st - 3rd Concurrent User on one LAN
4th - 9th Concurrent User on one LAN
10th + Concurrent User on one LAN
- PDB-00082-91 *TrueGUI* 1.0 Option (field installation)
Includes 1 GB Flash memory upgrade and *TrueGUI* license
1st - 3rd Concurrent User on one LAN
4th - 9th Concurrent User on one LAN
10th + Concurrent User on one LAN

Miscellaneous Products

Backup Media

- PRA-00206-00 1/4" Tape Cartridge, DC9100/Magnus 1.0-type (1GB cap.)
- PRA-00057-04 1/4" Tape Cartridge, DC9200/Magnus 2.0-type (2GB cap.)
- PRA-00057-06 1/4" Tape Cartridge, 20/40GB SLR7
- PRA-00057-07 1/4" Tape Cartridge, 30/60GB SLR60
- PRA-00057-08 1/4" Tape Cartridge, 35/70GB SLR75

**Part
Number**

Description

PRA-00229-00 Dry Process Cleaning Cartridge, 5.25"

SCSI Expansion Chassis (Narrow SCSI)

PGB-00001-00 AM-901 SCSI. Requires PDB-01601-50 cable.

PDB-01601-50 50-Pin SCSI cable - 3 feet long
(No charge when ordered with AM-901)

Intelligent Reboot Box

PDB-00931-00 Intelligent Reboot Box (includes cables to connect to
RJ-45 style serial ports)

NOTE: For details see Marketing Bulletin AMB2001-12, *Intelligent Reboot Box*, June 21, 2001

AM-931 Intelligent Reboot Box Accessories:

DWB-10317-25 Connector Adapter needed if using a COM port
as a keep-alive port (Eagle 800, AM-8000 and later systems)

PDB-00931-50 Connector Adapter Kit, DB-9F to RJ-45 conversion
(contains two DB-9M to RJ-45 adapters and 1 DB-9F connector)

PDB-00931-51 Connector Adapter Kit, DB-25F to RJ-45 conversion
(contains two DB-25M to RJ-45 adapters and 1 DB-25F connector)

PDB-00931-52 Connector Adapter Kit, Remote Reset Adapter and DB-9M
to RJ-45 converter

Purchase this kit when your system port 0 does not contain remote
reset capability. Examples of this are:

- AM-6060 systems
- Any system which uses AM-90 Lightning Protection boards on port 0 – such as the Eagle 450
- Any system which uses the AM-318-00 board on port 0

Other Accessories:

PDB-10323-00 Remote Reset Adapter

NOTE: For details see Marketing Bulletin AMB98-23, *Remote Reset Adapter Available*, July 9, 1998
Traditional Systems

**Part
Number**

Description

Traditional Systems

Note: All traditional systems and related products may not be readily available. Please contact Order Administration for current availability information. Products may be new or remanufactured.

Falcon Application Processor

Falcon Board Bundles

- B0E-00113-10 Falcon Add-in Application Processor and **AM-PC 4.2** 4-user PIC. No memory. Software is contained on the latest AlphaCD.
Software licensed only for use on Falcon Add-in Application Processor hardware.
- B0E-00113-50 Falcon Add-in Application Processor and **AM-PC 5.0** 4-user PIC*. No memory. Software available from our ftp site for download, or order separate CD-ROM, part number PSC-00023-50 (see below).
Software licensed only for use on Falcon Add-in Application Processor hardware.

* Virtual terminals are counted as users on AM-PC 5.0

Falcon Memory

- PFU-00707-02 2 MB Memory Kit
PFU-00707-08 8 MB Memory Kit

PFU-00707-XX products carry a 90-day warranty and are subject to remanufactured product availability.

AMPC 5.0 Software for Field Updating Existing Falcon CPU Boards

- PIC-U4707-00 AM-PC 5.0 Field Update. Includes PIC code to support your existing number of users*. One update required for each Falcon purchased prior to availability of AM-PC 5.0. Software available from our ftp site for download, or order Separate CD-ROM, part number PSC-00023-50 (see below)
Software licensed only for use on Falcon Add-in Application Processor hardware.

* Virtual terminals are counted as users on AM-PC 5.0

AM-PC 5.0 Software on CD-ROM

- PSC-00023-50 AM-PC 5.0 Software on CD-ROM. Order this product one time, or download the software and documentation from our ftp site: <ftp.alphamicroproducts.com> at no charge. Note: you must order PIC codes separately.

Additional AM-PC 4.2 User PICs

**Part
Number**

Description

PIC-03937-00 AM-PC 4.2 User PICs - **Price for each PIC.** Enables use of additional network connections, or serial or parallel ports including COM1:, COM2:, COM3:, and COM4:; and LPT2:.

Note: If you run Windows 95 or 98, the recommended maximum number of users on a Falcon is three: one at the PC console plus two on the Falcon's own serial ports. (Exception: additional users can be supported on a TCP/IP network.) For details see Marketing Bulletin AMB97-17, AM-PC 4.2A Available, June 16, 1997.

Additional AM-PC 5.0 User PICs

PIC-04707-00 AM-PC 5.0 User PICs (5 to 8 users)
Price for each user license. Enables use of additional network connections, serial ports, virtual terminals, or printers. Additional ports, up to 8 users, are licensed on a per port basis.

PIC-04707-10 AM-PC 5.0 User PICs (9 users and above)
Price for each user license. Enables use of additional network connections, serial ports, virtual terminals, or printers. Additional ports, beyond 8 users, are licensed on a per port basis.

Note: For details on AM-PC 5.0, see Marketing Bulletin AMB2002-05, Product Announcement: AMPC™ 5.0, March 1, 2002.

Eagle 250LC Systems

NOTE: All Eagle 250LC Eagle systems include an AMOS 4-port operating system license. Order additional ports to expand the license for use with additional users added via network connections.

SBC-EG250-21 Eagle 250LC System, **Narrow SCSI**
Includes ColdFire Processor, 4 Serial I/O ports, 1 Parallel Port, Integral Ethernet Controller, Integral SCSI/Wide-SCSI Controller (with Narrow SCSI bus). System is housed in Deskside chassis. Price includes 4-port AMOS 2.3A or later license.

SBC-EG250-22 Eagle 250LC System, **Wide SCSI**
Includes ColdFire Processor, 4 Serial I/O ports, 1 Parallel Port, Integral Ethernet Controller, Integral SCSI/Wide-SCSI Controller (with Wide SCSI bus). System is housed in Deskside chassis. Price includes 4-port AMOS 2.3A or later license.

**Part
Number**

Description

Eagle 250 Systems

NOTE: Eagle 250 includes 8 serial I/O ports integrated on the processor board. For optional additional ports, order AM-318-10 serial I/O card(s) as shown below. For complete product information, see Marketing Bulletin AMB2000-26, *New Eagle 250 Details and Pricing*, August 7, 2000.

SBC-EG250-01 Eagle 250 System, Narrow SCSI
Includes ColdFire Processor, 8 Serial I/O ports, 1 Parallel Port, Integral Ethernet Controller, Integral SCSI/Wide-SCSI Controller (with Narrow SCSI bus). System is housed in Deskside chassis.
Order AMOS 2.3A only.

SBC-EG250-02 Eagle 250 System, Wide SCSI
Same as above but with Wide SCSI bus instead of narrow bus.

Lightning Board Option for Eagle 250LC & 250 On-Board Serial I/O Ports

UPG-00090-30 Lightning upgrade, 4-port, for Eagle 250 on-board serial ports.
Includes AM-90 and internal cable.

Eagle 450 Systems

NOTE: Eagle 450 includes 8 serial I/O ports integrated on processor board. For optional additional ports, order AM-31X serial I/O card(s) as shown below. For complete product information see Marketing Bulletin AMB98-26, *Announcing the Eagle 450*, Aug. 7, 1998.

SBC-EG450-01 Eagle 450 System, Narrow SCSI
Includes ColdFire Processor, 8 Serial I/O ports, 1 Parallel Port, Integral Ethernet Controller with 10BaseT (twisted pair) port, Integral SCSI/Wide-SCSI Controller (with narrow SCSI bus). System is housed in Deskside Mini-chassis.
Order AMOS 2.3A only.

SBC-EG450-02 Eagle 450 System, Wide SCSI
Same as above but with Wide SCSI bus instead of narrow bus.

Eagle 450 PCI 10/100BaseT Ethernet Controller Card

NOTE: The 10/100BaseT Ethernet Controller has two prerequisites: (1) The AM-138 motherboard in the host Eagle 450 must be a -00 version at revision level A06 or higher, and (2) the system must be running AlphaTCP version 1.5 or later. Mother-board update program available. See Marketing Bulletin AMB99-37, *100 Base T Networking for AMOS Systems*, November 19, 1999.

PDB-00370-00 Ethernet Controller, 10/100BaseT, and Mounting Kit

Eagle 250 / 450 Serial I/O Expansion

PDB-00318-10 AM-318-10 Serial I/O Expansion Card; 8 RJ-45 ports.
Includes two AM-90 Lightning boards.

Serial I/O Adapter Cables and Accessories

**Part
Number**

Description

NOTE: For application information, see “Guide to Serial I/O Adapter Cables and Accessories”.

PDB-00359-50	Cable Set (8 ea), AM-359 to AM-355; 8 cables
PDB-00359-51	Cable, AM-358 Conv, 8P 6W
PDB-00359-52	Cable Set, AM-359 6P 8W + 2 FDB-9
PDB-00359-53	Adapter Set (4 ea), RJ-45 MDB-25, Modem*
PDB-00359-54	Adapter Set (4 ea), RJ-45 MDB-25, CRT*
PDB-00359-55	Adapter Set (4 ea), RJ-45 FDB-9, PC-AT*
PDB-00359-56	Cable Set (4 ea), Straight, 10 ft.
PDB-00359-57	Cable Set (4 ea), AM-359 to AM-355; 4 cables

* RJ-45 modular adapters are for use with standard parallel RJ-45 patch cords.

Eagle 250LC, 250, & 450 Memory Options

(order one or two memory modules)

Only for Eagle 250 and 450 systems shipped after February 1, 2001 (CPU board Rev A10 or later):

PFB-00713-16	16MB Memory Module, EDO – 2K Refresh, each
PFB-00713-32	32MB Memory Module, EDO – 2K Refresh, each
PFB-00712-64	64MB Memory Module – 2K Refresh, each

For all Eagle 250 and 450 systems (including those shipped prior to February 1, 2001):

PFU-00712-04	4MB Memory Module (60ns)
PFU-00712-08	8MB Memory Module (60ns)
PFB-00712-16	16MB Memory Module – 2K Refresh
PFB-00712-32	32MB Memory Module – 2K Refresh
PFB-00712-64	64MB Memory Module – 2K Refresh

**Part
Number**

Description

SCSI Disk Drives for Traditional Systems — Specifications

Disk Drive Part Number →	B0U-00436-68	PDU-00436-40 PDU-00436-68	PDU-00436-38 PDU-00436-77	PDB-00440-07	PDB-00440-09
Nominal Capacity	1.2GB	1.2GB	1.0GB	⑥ 9GB	⑥ 18GB
Drive supported in systems That offer SCSI-2 support (“parity systems”) ①	NO	Yes	Yes	Yes	Yes Eagle 250,450, AM-6000, AM-7000
Drive supported in systems That allow SCSI-2 disk on SASI port (“non-parity”) ②	Yes; see ④	NO	NO	NO	NO
Delivery Status	Remanufactured Units May Be Available	Remanufactured Units May Be Available	Remanufactured Units May Be Available	Available	Available
Dimensions	3.5-inch form factor 4" wide x 5.75" deep x 1" high				
SCSI Interface <i>Nar</i> = 50-pin; <i>Wide</i> = 68-pin	Narrow SCSI-2	Narrow SCSI-2	Narrow SCSI-2	Wide Ultra ③	Wide Ultra ③
Formatted AMOS Capacity	1.19 GB	1.19 GB	1.19 GB	8.7 GB	17.5 GB
Seek, average (read/write) ms	12ms	12ms	12ms	5.2/5.8	3.6/4.2
Seek—track-to-track	3ms	3ms	3ms	0.7/1.1	0.3/0.4
Average Latency	6.67ms	6.67ms	6.67ms	2.99ms	2.00ms
Rotational Speed	4500RPM	4500RPM	4500RPM	10000RPM	15000 RPM
On-disk Cache/Buffer Size	128 Kb	128 Kb	128 Kb	512Kb	8 Mb
External Transfer Rate	10MB/sec	10MB/sec	10MB/sec	40MB/sec	40MB/sec - 320 MB/sec, depending upon system
DSS-10509-xx (on Web site)	10509-08	10509-08	10509-08	10509-16	10509-18

Notes

- ① *Drive supported in systems that offer SCSI-2 support (“parity systems”)*—The word **Yes** in this row means the drive works in systems that provide SCSI-2 support (“dispatched SCSI”), unless specific system models are specified. SCSI-2 support based systems include any system with a Roadrunner; any Eagle system; any AM-3000M/LC with AM-540 SCSI-2 controller (except where otherwise shown); and any AM-4000, AM-6000, AM-6060 Network Server, or AM-7000.
- ② *Drive supported in systems that allow SCSI-2 disk on SASI port (“non-parity”)*—**Yes** means the drive will work in a system that supports SCSI disks on a SASI port. **NO** means we don’t support such usage. General exception: SCSI-2 disk drives are **not** supported as a bootable disk in AM-1500 systems or in S-100 bus-based systems.
- ③ Installing this drive in a system with standard 50-pin SCSI bus requires a **Wide SCSI Adapter**, PDB-00440-90. External transfer rate with standard SCSI bus is 10MB/sec.
- ④ This product is a bundle consisting of a PDU-00436-xx disk drive and a small adapter card that makes the disk look ‘SASI-compatible’ to the host system bus. See AMB99-04, *SCSI Disk Breakthrough*, 1/22/99, for details. PDU version drives are remanufactured units.
- ⑥ Use FMTS2 utility to format this drive. With the current version of FMTS2, entire drive can be formatted as a single logical. See DSS-10509-XX for additional details for the particular disk drive.

**Part
Number**

Description

SCSI Devices and Accessories

Disk Storage

'Fast-Wide SCSI-2' drives

PDB-00440-06	4.3GB Fast-Wide Ultra SCSI Disk Drive
PDB-00440-07	9GB Fast-Wide Ultra SCSI Disk Drive, 10000 RPM
PDB-00440-08	18GB Fast-Wide Ultra SCSI Disk Drive, 10000 RPM
PDB-00440-09	17.5GB Fast-Wide Ultra SCSI Disk Drive, 15000 RPM

NOTE: To use any of the above drives in a system with a narrow SCSI bus (50-pin SCSI), order the following adapter. If multiple drives, each requires its own adapter.

PDB-00440-90 Wide SCSI Adapter: 68-pin device to 50-pin bus

Other Disk Options

PDB-00440-93	Dual-fan Peripheral Cooler; kit includes drive mounting slides for AM-990 chassis and hardware for Eagle upper bays.
PDB-00440-95	Cooling fan assembly for use in lower 3 1/2" peripheral mounting cage in new Eagle style chassis

AMOS Boot PROM Prices

Boot PROMs - Systems shipped prior to June 1, 1994 require new Boot PROMs to use the above drives. When ordering a drive for field installation in such a system, also order the appropriate Boot PROM:

For Roadrunner upgrades shipped before June 1, 1994:

PDB-00172-90	Boot PROMs for PDB-00172-00 Roadrunner 030
PDB-00174-90	Boot PROMs for PDB-00174-XX Roadrunner 040

For AM-1400/1600 systems shipped before June 1, 1994:

B0E-00130-00	Boot PROMs for MC68010-based AM-1400
B0E-00134-00	Boot PROMs for MC68020-based AM-1400
PDB-00135-50	Boot PROMs for AM-1600M and AM-1600LC

For AM-2000/3000/4000 systems shipped before June 1, 1994:

PDB-00145-50	Boot PROMs for the AM-2000M
PDB-00187-00	Boot PROMs for the AM-2000VME
PDB-00140-50	Boot PROMs for the AM-3000M and AM-3000LC
PDB-00185-50	Boot PROMs for the AM-3000VME - 20MHz version
PDB-00185-51	Boot PROMs for the AM-3000VME - 50MHz version
DWB-00191-10	Boot PROMs for the AM-4000

For AM-1000/1200 systems:

PDB-00169-51	Boot PROMs for the AM-1000
PDB-00178-01	Boot PROMs for the AM-1200

**Part
Number**

Description

Optional Backup Hardware

PDB-00212-20 3.5" Diskette Drive, SCSI

NOTE A: SCSI Diskette Drive connects directly to SCSI bus; AM-219 Floppy Controller is *not* required.

NOTE B: Although a 3.5" device, the PDB-00212-20 requires a 5.25" device bay in the system chassis.

PDB-00629-00 4/8GB SCSI 1/4" Cartridge Streamer Tape - light beige

PDB-00651-00 20/40GB SCSI 1/4" Cartridge Streamer Tape - light beige

NOTE: PDB-0065X-00 are Wide SCSI devices; a PDB-00440-90 adapter required if system is narrow SCSI.

PDB-00642-00 AM-642 SCSI to Pertec Converter, External

NOTE: Order external SCSI cable (PDB-00440-80) separately. For product information about the AM-642, see Marketing Bulletin AMB98-04, *New Wide SCSI Versatility*, Jan. 23, 1998

Wide SCSI Adapters and Cables

PDB-00440-80 Cable, 50-pin Centronics to 68-pin External SCSI, 3 ft.

PDB-00440-81 Cable, 50-pin Centronics to 68-pin External SCSI, 6 ft.

PDB-00440-82 Cable, Wide SCSI, 68-pin Male/68-pin Male, 6 ft.

PDB-00440-83 Cable, Wide SCSI, 68-pin Male/68-pin Male, 3 ft.

PDB-00440-90 Wide SCSI Adapter, 68-pin Device to 50-Pin Narrow Bus

PDB-00440-91 Wide SCSI Adapter, 50-pin Device to 68-Pin Wide Bus

SCSI Terminators

PRA-00222-20 External SCSI Terminator, Wide (68-pin)

PRA-00222-21 External SCSI Terminator, Active, Narrow (50-pin)

Wide SCSI Bus Repeater

NOTE: For product information, see Marketing Bulletin AMB98-04, *New Wide SCSI Versatility*, Jan. 23, 1998. Of the various models offered, only the AM-441-00 is recommended for installation in an Eagle 250 or Eagle 450.

PDB-00441-00 AM-441-00 Wide SCSI Bus Repeater, External Bus Only

PDB-00441-01 AM-441-01 Wide SCSI Bus Repeater, Internal/External

PDB-00441-02 AM-441-02 Wide SCSI Bus Repeater, Internal Bus Only

CD-ROM & DVD-RAM Products

PDB-00401-01 CD-ROM Subsystem, SCSI, External (115VAC only)

PDB-00401-51 CD-ROM Drive, SCSI, Internal

PDB-00402-51 CD-Recorder, SCSI, Internal

NOTE: The CD-Recorder requires following software, which is PIC-coded:

PIC-04937-00 AlphaCD-WRITER 1.0 End User License

B0E-00403-51 DVD-RAM Drive, SCSI, Internal; with media & software
PIC Encoded Software is included

B0E-00403-01 DVD-RAM Subsystem, SCSI, with media & software
PIC Encoded Software is included. Order external cable separately

PIC-04967-00 Software only for DVD-RAM Drive End User License
(Supply your own DVD-RAM Drive)

Miscellaneous

**Part
Number**

Description

PRB-00130-30 300 watt Power Supply Upgrade Eagle Chassis

PDB-10323-00 Remote Reset Adapter

NOTE: For details see Marketing Bulletin AMB98-23, *Remote Reset Adapter Available*, July 9, 1998

PDB-00931-00 Intelligent Reboot Box

NOTE: For details see Marketing Bulletin AMB2001-12, *Intelligent Reboot Box*, June 21, 2001

AM-931 Intelligent Reboot Box Accessories:

PDB-00931-50 Connector Adapter Kit, DB-9F to RJ-45 conversion
(contains two DB-9M to RJ-45 adapters and 1 DB-9F connector)

PDB-00931-51 Connector Adapter Kit, DB-25F to RJ-45 conversion
(contains two DB-25M to RJ-45 adapters and 1 DB-25F connector)

PDB-00931-52 Connector Adapter Kit, Remote Reset Adapter and DB-9M
to RJ-45 converter

Purchase this kit when your system port 0 does not contain remote reset capability. Examples of this are:

- AM-6060 systems
- Any system which uses AM-90 Lightning Protection boards on port 0 – such as the Eagle 450
- Any system which uses the AM-318-00 board on port 0

**Part
Number**

Description

Eagle Configuration Guidelines

Guide to Serial I/O Adapters and Accessories

We offer cables and adapters to bridge the gap from serial I/O cards to various external devices. Adapters can also provide compatibility with existing cables, patchcord hookups, and other pre-installed wiring. Specifications appear in the table below.

For pinouts and other details see Appendix A in PDI-00359-00, *AM-359 Eight-Port Serial I/O Board; Installation Instructions*. The document is available at our Web site.

RJ-45 Serial I/O Cables and Adapters

Cable Part Number and Description	Cable Connectors Nearest to System	Connector(s) on Far End of Cable or Adapter	Application in Eagle 100/200/250/300/400/450/500 System
PDB-00359-50 Cable Set, AM-359* to AM-355, 8 Cable	8 x RJ-45	8 x DB-9 female	For sites where serial I/O with RJ-45 ports, such as an AM-318-10 card or the standard ports in an Eagle 450, needs to connect to existing DB-9 terminal cables.
PDB-00359-51 Cable, AM-358 Conv, 8P6W	8 x RJ-45	1 x RJ-21 female	Connects RJ-45 serial ports to a 6-wire patch panel.
PDB-00359-52 Cable Set, AM-359* 6P8W + 2 FDB9	6 x RJ-45	1 x RJ-21 female plus 2 x DB-9 female	Connects RJ-45 serial ports to an 8-wire patch panel that uses a 4-pair wiring system.
PDB-00359-53 Adapter Set (4), RJ45 MDB25 Modem	4 x RJ-45	4 x DB-25 male	Connects RJ-45 serial ports to modems. 8-wire patch cords are also required; see PDB-00359-56, below.
PDB-00359-54 Adapter Set (4), RJ45 MDB25 CRT	4 x RJ-45	4 x DB-25 male	Connects RJ-45 serial ports to printers or terminals. 8-wire patch cords are also required; see PDB-00359-56, below.
PDB-00359-55 Adapter Set (4), RJ45 FDB9 PC-AT	4 x RJ-45	4 x DB-9 female	Connects RJ-45 serial ports to PC-AT style serial ports. 8-wire patch cords also required; see PDB-00359-56, below.
PDB-00359-56 Cable Set (4), RJ45 Straight, 10-ft.	4 x RJ-45	4 x RJ-45	10-foot, shielded, parallel (straight-through) patch cords; for use with adapters listed above.
PDB-00359-57 Cable Set, AM-359* to AM-355, 4 Cable	4 x RJ-45	4 x DB-9 female	Connects four RJ-45 ports to existing DB-9 terminal cables. Intended for four-port systems, such as an Eagle 250LC with Lightning board.

* Originally developed for the AM-359 card, this cable works the same way with an AM-318-10, or with the eight standard ports on an Eagle 450, or other Lightning board ports, all of which have the same RJ-45 pinouts.

**Part
Number**

Description

Eagle 250LC Configurations

The Eagle 250LC with 4 serial ports, built directly into the CPU board. All ports are DB-9 connectors with full modem control for use in communication environments. Optional RJ-45 jacks with AM-90 Lightning boards can be ordered if desired. Additionally, there is one parallel port. The processor incorporates a Motorola ColdFire chip and includes a RISC SCSI-2 disk controller. Two versions of the system are offered, one with our traditional 8-bit narrow SCSI bus and another with 16-bit Wide SCSI. Ethernet support is standard, with 10BaseT port.

AMOS Versions — The Eagle 250LC includes an AMOS 2.3A 4-user license.

Eagle 250LC—I/O Options

Combination	Result	Comments
Base CPU Board	4 Serial I/O ports	Full modem control on all 4 ports. This is the maximum number of serial ports available in the Eagle 250LC.

Eagle 250 Configurations

The Eagle 250 comes standard with 8 serial I/O ports, built directly into the CPU board. All ports are DB-9 connectors with full modem control for use in communication environments. Optional RJ-45 jacks with AM-90 Lightning boards can be ordered if desired. Additionally, there is one parallel port. The processor incorporates a Motorola ColdFire chip and includes a RISC SCSI-2 disk controller. Two versions of the system are offered, one with our traditional 8-bit narrow SCSI bus and another with 16-bit Wide SCSI. Ethernet support is standard, with 10BaseT port.

The Eagle 250 provides three AM-318-style expansion slots for optional features. Up to 32 serial I/O ports can be configured. Bisync RJE support is also available. The table below shows typical I/O options. For complete specifications and configuration guidelines see Marketing Bulletin AMB2000-26, *New Eagle 250 Details & Pricing*, Aug. 7, 2000.

AMOS Versions — Order the Eagle 250 with AMOS 2.3A only. Operation with AMOS versions is not supported.

Eagle 450 Configurations

The Eagle 450 comes standard with 8 serial I/O ports, built directly into the CPU board. All ports are RJ-45 jacks with AM-90 Lightning boards and full modem control for use in communication environments. Additionally, there is one parallel port. The processor incorporates a Motorola ColdFire chip and includes a RISC SCSI-2 disk controller. Two versions of the system are offered, one with our traditional 8-bit narrow SCSI bus and another with 16-bit Wide SCSI. Ethernet support is standard, with 10BaseT and AUI ports.

The Eagle 450 provides three AM-318-style expansion slots for optional features. Up to 32 serial I/O ports can be configured. Bisync RJE support is also available. The table below shows typical I/O options. For complete specifications and configuration guidelines see Marketing Bulletin AMB98-26, *Announcing the Eagle 450*, Aug. 7, 1998.

AMOS Versions — Order the Eagle 450 with AMOS 2.3A only. Operation with AMOS versions is not supported.

Eagle 250 & 450—I/O Options

**Part
Number**

Description

Combination	Result	Comments
Base CPU Board	8 Serial I/O ports	Full modem control on all 8 ports; Eagle 250 includes DB-9 connectors. Eagle 450 includes RJ-45 jacks with electrical surge protection.
One AM-318-10	16 Serial I/O ports	RJ-45 jacks for all ports. Two expansion slots remain open.
Two AM-318-10s	24 Serial I/O ports	RJ-45 jacks for all ports. One expansion slot remains open.
Three AM-318-10s	32 Serial I/O ports	Eagle 250 and 450 are at maximum capacity.
One AM-338 RJE* and two AM-318-10s	24 Serial I/O ports plus RJE	Eagle 250 and 450 are at maximum capacity.

* Configuration available on request. Please call your Order Administrator for pricing.

High End Systems

NOTE: Use the following pages for complete, factory-built AM-6000 and AM-7000 systems. See "System Upgrades," later in this section, for Roadrunner 060 and Roadrunner 75 upgrades to existing systems.

- For AM-6000 product information see Marketing Bulletin AMB97-10, *Announcing the Roadrunner 060*, April 18, 1997 and AMB2000-13, *New Value for the AM-6000*, March 31, 2000.
- For AM-7000 product information, see Marketing Bulletin AMB2000-12, *AM-7000 Business System Announced*, March 31, 2000.

Important Notice About Trade-ins for AM-6000 Systems

Trade-in allowances do *not* apply to the AM-6000 System prices shown on this page. See the appropriate Marketing Bulletin or call Order Administration for trade-in pricing.

AM-6000 Base Systems (Network Ready)

SBC-06000-01 AM-6000 System, Deskside Chassis (Narrow SCSI)
Includes 66MHz MC68060 Processor, 4 Serial I/O ports,
4 Parallel Ports, Ethernet (two ports under AlphaTCP 1.5,
one port with prior AlphaTCP), Integral SCSI/Wide-SCSI
Controller, UPS port. Housed in Deskside Mini-chassis.
- See below for Wide SCSI Option Kit PDB-00440-70

AM-6000 Wide SCSI Option Kits

PDB-00440-70 Wide SCSI Option Kit, Eagle Chassis

<u>Part Number</u>	<u>Description</u>
	Use with AM-6000 in deskside mini-chassis
PDB-00440-71	Wide SCSI Option Kit, AM-990 Chassis Use with AM-6000 in AM-990 chassis
PDB-00440-72	Wide SCSI Option Kit, AM-990 Double-wide Chassis Use with AM-6000 in AM-990 Jumbo chassis
PDB-00440-75	Wide SCSI Option Kit, High Capacity (Internal Only) Use with AM-6000 in AM-990 chassis or AM-990 Jumbo chassis*

* Technical Note: Special installation rule applies to SCSI terminator in systems equipped with this kit. For details see PDI-00440-70, *Narrow to Wide SCSI Upgrade Instructions*.

AM-6000 Memory

Order one pair or two pairs of Modules

PFU-00712-04	4MB Memory Module – 2K Refresh
PFU-00712-08	8MB Memory Module – 2K Refresh
PFB-00712-16	16MB Memory Module – 2K Refresh
PFB-00712-32	32MB Memory Module – 2K Refresh
PFB-00712-64	64MB Memory Module – 2K Refresh

AM-7000 Base Systems (Network Ready)

SBC-07000-01	AM-7000 System, Deskside Chassis, Wide SCSI. Includes: <ul style="list-style-type: none"> • 75MHz MC68060 Processor • 128KB cache memory • 8MB Flash ROM memory • 4 Serial I/O ports, RJ-45 • 4 Parallel Ports • 2 Ethernet ports (one 10/100BaseT, one 10BaseT) • Integral Wide Ultra SCSI Controller • 68-pin (Wide Ultra SCSI) external SCSI port • Dedicated UPS port Housed in Deskside Mini-chassis.
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AM-7000 Memory

NOTE: Order one pair or two pairs of Memory Modules.

PFB-00713-16	16MB Memory Module, EDO – 2K Refresh, each
PFB-00713-32	32MB Memory Module, EDO – 2K Refresh, each
PFB-00713-64	64MB Memory Module, EDO – 4K Refresh, each
PFB-00713-C8	128MB Memory Module, EDO – 4K Refresh, each

AM-6000 / AM-7000 Disk Storage

<u>Part Number</u>	<u>Description</u>
PDB-00440-06	4.3GB Fast-Wide Ultra SCSI Disk Drive
PDB-00440-07	9GB Fast-Wide Ultra SCSI Disk Drive, 10000 RPM
PDB-00440-08	18GB Fast-Wide Ultra SCSI Disk Drive, 10000 RPM
PDB-00440-09	17.5GB Fast-Wide Ultra SCSI Disk Drive, 15000 RPM

NOTE: To use any of the above drives in a system with a narrow SCSI bus (50-pin SCSI), order the PDB-00440-90 adapter listed below.

Wide SCSI Adapters and Cables

PDB-00440-80	Cable, 50-pin Centronics to 68-pin External SCSI, 3 ft.
PDB-00440-81	Cable, 50-pin Centronics to 68-pin External SCSI, 6 ft.
PDB-00440-82	Cable, Wide SCSI, 68-pin Male/68-pin Male, 6 ft.
PDB-00440-83	Cable, Wide SCSI, 68-pin Male/68-pin Male, 3 ft.
PDB-00440-90	Wide SCSI Adapter, 68-pin Device to 50-Pin Narrow Bus
PDB-00440-91	Wide SCSI Adapter, 50-pin Device to 68-Pin Wide Bus
PDB-00440-93	Dual-fan Peripheral Cooler; kit includes drive mounting slides for AM-990 chassis and hardware for Eagle upper bays.
PDB-00440-94	Wide SCSI Host Adapter for 50-pin Bus Cable
PDB-00440-95	Cooling fan assembly for use in lower 3 1/2" peripheral mounting cage in new Eagle style chassis

SCSI Terminators

PRA-00222-20	External SCSI Terminator, Wide (68-pin)
PRA-00222-21	External SCSI Terminator, Active, Narrow (50-pin)

AM-441 Wide SCSI Bus Repeater

NOTE: See Wide SCSI Configurator, below, for details.

PDB-00441-00	AM-441-00 Wide SCSI Bus Repeater, External Bus Only
PDB-00441-01	AM-441-01 Wide SCSI Bus Repeater, Internal/External
PDB-00441-02	AM-441-02 Wide SCSI Bus Repeater, Internal Bus Only

AM-6000 / AM-7000 I/O Expansion

NOTE: 50% discount may apply to AM-359 cards that appear on the same trade-in order with an AM-7000. The number of discounted AM-359 cards cannot exceed the size of the existing AMOS port license divided by 8.

PDB-00359-01	8-port Serial I/O Module. Not opto-isolated.
PDB-00359-00	8-port Serial I/O Module. Includes opto-isolation.

AM-359 Accessories

PDB-00359-50	Cable Set: RJ-45 to female DB-9 for AM-355 compatibility (eight 4-foot cables per package)
PDB-00359-51	Cluster cable, 4-foot, for AM-358 compatibility. Cable has RJ-21 female on one end; breaks out into eight RJ-45 connectors (6-wire) on other end.
PDB-00359-52	Cable Set consisting of one cluster cable, RJ-21 to six RJ-45 connectors (8-wire); and two RJ-45 to female DB-9 cables, 4-foot.
PDB-00359-53	Cable Adapter, male DB-25, for modem (four per package)*
PDB-00359-54	Cable Adapter, male DB-25, for CRT or printer (four per package)*

<u>Part Number</u>	<u>Description</u>
PDB-00359-55	Cable Adapter, female DB-9 to PC-AT (four per package)*
PDB-00359-56	Cable Set: Four RJ-45 patch cords, 10-foot, straight
PDB-00359-57	Cable Set: RJ-45 to female DB-9 for AM-355 compatibility (four 4-foot cables per package)

* RJ-45 modular adapters are for use with standard parallel RJ-45 patch cords.

AM-6000 / AM-7000 Optional Backup Hardware

AM-6000 Only

PDB-00212-05	1.4MB 3.5" Floppy Disk
PDB-00219-00	Floppy Disk Controller - Required for either floppy drive

AM-6000 / AM-7000

PDB-00212-20	3.5" Diskette Drive, SCSI
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NOTE: AM-219 Floppy Controller is not required. Drive requires a 5.25" device bay in the system chassis.

PDB-00629-00	4/8GB SCSI 1/4" Cartridge Streamer Tape - light beige
PDB-00651-00	20/40GB SCSI 1/4" Cartridge Streamer Tape - light beige
PDB-00652-00	30/60GB SCSI 1/4" Cartridge Streamer Tape - light beige

NOTE: PDB-0065X-00 are Wide SCSI devices; a PDB-00440-90 adapter required if system is narrow SCSI.

AM-642 SCSI-to-Pertec Converter

NOTE: The AM-642 SCSI-to-Pertec Converter ("SToP Box") is an interface device that permits attachment of a Pertec-compatible 1/2" tape drive. Order external SCSI cable (PDB-00440-80) separately. See Wide SCSI Configurator, below, for configuration guidelines. For other information see Marketing Bulletin AMB98-04, *New Wide SCSI Versatility*, Jan. 23, 1998.

PDB-00642-00	AM-642-00 SCSI to Pertec Converter, External
PDB-00642-01	AM-642-01 SCSI to Pertec Converter, Internal; installable in system with AM-990 or Jumbo chassis only.

AM-6000 / AM-7000 CD-ROM & DVD-RAM Products

PDB-00401-01	CD-ROM Subsystem, SCSI, External (115VAC only)
PDB-00401-51	CD-ROM Drive, SCSI, Internal
PDB-00402-51	CD-Recorder, SCSI, Internal
NOTE: The CD-Recorder requires following software, which is PIC-coded:	
PIC-04937-00	AlphaCD-WRITER 1.0 End User License
B0E-00403-51	DVD-RAM Drive, SCSI, Internal; with software PIC Encoded Software is included
B0E-00403-01	DVD-RAM Subsystem, SCSI, with media & software PIC Encoded Software is included. Order external cable separately
PIC-04967-00	Software only for DVD-RAM Drive End User License (Supply your own DVD-RAM Drive)

Network Options (AM-6000 Only)

PDB-00368-10	Internal MAU. Provides 10BaseT (twisted pair) Ethernet port for AM-176 board. A separate 10BaseT port, with lower throughput potential, is provided as standard on the AM-6000's
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**Part
Number**

Description

AM-319-20 System Board

NOTE: For details see Marketing Bulletin AMB98-14, *New 10BaseT Ethernet Port Available*, April 17, 1998.

PDB-00362-50 Ethernet AUI Cable Kit
3-foot cable; for customer-furnished external MAU.

**Part
Number**

Description

Wide SCSI Configuration Rules (AM-6000 and AM-7000)

The table on the following page, Wide SCSI Configurator, gives configuration rules for the Wide SCSI bus. To plan a configuration, proceed as follows:

1. In the left-hand column, find the *Chassis Style* for the system you wish to configure.
2. If you have an AM-990 or an AM-990 Jumbo and you need more than five devices inside the chassis, go straight to the last row in the table. Order a PDB-00440-75 High Capacity Wide SCSI Option Kit. This new product allows up to eight internal devices (seven in a Jumbo) and *no* external cable.

NOTE: A system with the -75 Kit installed has no external SCSI connector. There is therefore no place to attach the usual external SCSI terminator. Termination must instead be supplied by a SCSI device inside the system. For details see PDI-00440-70, *Narrow to Wide SCSI Upgrade Instructions*.

3. For other configurations, find the desired chassis style and read across to the next column at the right: *Wide SCSI Option Kit Installed*. Note the part number and order that kit.
4. Look in the next column to the right: *Basic Wide SCSI Configuration (No Repeater)*. There you'll find the maximum number of internal devices allowed and the maximum length of external cabling allowed. If those two numbers are sufficient for your system, your configuration is complete. The Wide SCSI Kit is enough; you don't need an AM-441 repeater.
5. If the Basic Wide SCSI Configuration doesn't provide the capacity you need, look further to the right. Examine the combinations of internal devices and external cable allowed by the various AM-441 Wide SCSI Repeater models. The example inside the double-line box shows one possibility; it's explained in a footnote.
6. If your configuration includes external SCSI devices, consider the following:
 - If you plan to supply your own external cables, remember the configuration rules. First, the overall length of the SCSI bus, starting from the connector on the host controller board, must not exceed 118 inches (3 meters). Second, all devices on the bus must be at least 12 inches (30.5 cm) apart. In practice this usually means a maximum of one device on 3 feet of cabling, two devices on 6 feet, and three devices on 8 feet. Third, make sure the cables are made according to SCSI-2 construction guidelines.

7. Other configurations are possible. Consult the Technical Assistance Center for specific requirements.

The foregoing is intended for pre-sales planning and ordering only. For cable routing, terminator requirements, and other installation details, see PDI-00441-00, *AM-441 Wide SCSI-2 Bus Repeater*, and PDI-00440-70, *Narrow to Wide SCSI Upgrade Instructions*. They're available at no charge on our Web site.

**Part
Number**

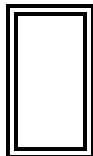
Description

Wide SCSI Configurator

		Maximum SCSI Device Configurations <ul style="list-style-type: none"> • Maximum <i>Number</i> of Internal Devices • Maximum <i>Length</i> of External Cabling 							
Chassis Style	Wide SCSI Option Kit Installed	Basic Wide SCSI Configuration (No Repeater Installed)		AM-441-00 Wide SCSI Repeater, External Bus Only		AM-441-01 Wide SCSI Repeater, Internal/ External		AM-441-02 Wide SCSI Repeater, Internal Bus Only	
		Max. Internal Devices	Max. External Cabling	Max. Internal Devices	Max. External Cabling	Max. Internal Devices	Max. External Cabling	Max. Internal Devices	Max. External Cabling
Eagle Deskside Mini-Chassis	PDB-00440-70 Wide SCSI Kit, Eagle Chassis	5	3 ft	5	8 ft	Installable but not useful *			
AM-990 Chassis	PDB-00440-71 Wide SCSI Kit, AM-990 Chassis	5	3 ft	5	8 ft	7	6 ft	11	3 ft
AM-990 Jumbo Chassis (Double Wide Chassis)	PDB-00440-72 Wide SCSI Kit, AM-990 Double Wide	4	3 ft	4	8 ft	6	6 ft	10	3 ft
Roadrunner 060 in: AM-4000M SBC pedestal AM-4000 VME 6-slot in old-style pedestal	PDB-00440-73 Wide SCSI Kit, Pedestal Chassis	4	3 ft	<div style="border: 1px solid black; padding: 10px;"> <p>The AM-441 Repeater is not offered or supported for configurations that fall inside this area of the matrix</p> </div>					
Roadrunner 060 in: AM-4000 VME: 10-slot Rack mount system AM-4000 VME: 21-slot Rack mount system	PDB-00440-74 Wide SCSI Kit, Rackmount Chas.	2	3 ft						
AM-990 Chassis ----- or ----- AM-990 Jumbo Chassis (Double Wide Chassis)	PDB-00440-75 Wide SCSI Kit, High Capacity (Internal Only)	8 ----- 7	None ----- None						

Notes

* It is technically feasible to install a repeater in these configurations, but not necessary. The number of device bays in the chassis limits the system to 5 internal peripherals when a repeater is installed.



Example: In an AM-990 chassis with a Wide SCSI Option Kit and an AM-441-00 Repeater, you can install up to five internal SCSI devices. You can also install external SCSI cabling with a maximum length of 8 feet from the chassis to the far-end terminator. Device-to-device spacing on the external bus must be at least 12 inches. In practice this usually imposes a limit of 3 external devices.

**Part
Number**

Description

AM-6060 Network Server (Network Ready)

For AM-6060 product information see Marketing Bulletin AMB98-07, *Announcing the AM-6060 Network Server*, March 3, 1998.

SBC-06060-00	AM-6060 Network Server Includes 66MHz MC68060 Processor, 4 Serial I/O ports, Integral Ethernet Controller, Integral SCSI/Wide-SCSI Controller (with narrow SCSI bus). System is housed in Deskside Mini-chassis. Includes 16-user AMOS license.
SBC-06060-01	AM-6060 Network Server, Wide SCSI Same as above but with Wide SCSI bus.

Memory

Disk Storage

Wide SCSI Adapters and Cables

Wide SCSI Bus Repeater

(All of the foregoing are the same as for the AM-6000 System.)

Optional Backup Hardware

PDB-00212-20 3.5" Diskette Drive, SCSI

NOTE A: SCSI Diskette Drive connects directly to SCSI bus; AM-219 Floppy Controller is *not* required.

NOTE B: Although a 3.5" device, the PDB-00212-20 requires a 5.25" device bay in the system chassis.

(Other backup devices are the same as for the AM-6000 System.)

Serial I/O Expansion

(None. The AM-6060 is a network-oriented system; the four serial ports furnished as standard are also the maximum. If more ports are required, upgrade the system to an AM-6000. See **Upgrade Kits** below.)

Upgrade Kits

PDB-00440-70	Wide SCSI Option Kit, Eagle Chassis Upgrades a <i>narrow SCSI</i> AM-6060 (SBC-06060-00) to a <i>Wide SCSI</i> AM-6060 (SBC-06060-01)
UPG-66X60-01	Upgrade Kit, AM-6060 to AM-6000 Upgrades an AM-6060 to an AM-6000 Business System. Original deskside chassis remains installed. Price is contingent on return of AM-301-10 board from the AM-6060.

Software

Price of the AM-6060 includes a 16-user license for AMOS 2.3A. Special pricing applies for transfer of licenses from other Alpha Micro systems. See Marketing Bulletin AMB98-07 for details.

Miscellaneous

**Part
Number**

Description

PDB-10323-00 Remote Reset Adapter

NOTE: For details see Marketing Bulletin AMB98-23, *Remote Reset Adapter Available*, July 9, 1998

PDB-00931-00 Intelligent Reboot Box

NOTE: For details see Marketing Bulletin AMB2001-12, *Intelligent Reboot Box*, June 21, 2001

AM-931 Intelligent Reboot Box Accessories:

PDB-00931-50 Connector Adapter Kit, DB-9F to RJ-45 conversion
(contains two DB-9M to RJ-45 adapters and 1 DB-9F connector)

PDB-00931-51 Connector Adapter Kit, DB-25F to RJ-45 conversion
(contains two DB-25M to RJ-45 adapters and 1 DB-25F connector)

PDB-00931-52 Connector Adapter Kit, Remote Reset Adapter and DB-9M
to RJ-45 converter

Purchase this kit when your system port 0 does not contain remote reset capability. Examples of this are:

- AM-6060 systems
- Any system which uses AM-90 Lightning Protection boards on port 0 – such as the Eagle 450
- Any system which uses the AM-318-00 board on port 0

**Part
Number**

Description

Eagle-Based Server Products (Network Ready)

Eagle 100TX Terminal Server

For Eagle 100TX product information see Marketing Bulletin AMB99-13, *Eagle 100TX Terminal Server Shipping Now, April 23, 1999.*

- SBS-100TX-01 Eagle 100TX Terminal Server, DB-9. Includes:
- 40MHz MC68EC030 CPU, SSD #70000
 - 32MB Main Memory
 - 4MB Flashcard
 - 8 serial I/O ports (DB-9)
 - 1 DB-25 parallel port
 - AM-366 Ethernet Controller with 15-pin AUI Ethernet port
- Housed in Eagle deskside mini-chassis. Includes 10-port AMOS 2.3A license and 8-port MULTI license. **The AMOS license in the host AMOS system must include enough ports to cover all users on the Eagle 100TX.**
- SBS-100TX-02 Eagle 100TX Terminal Server, RJ-45
Same as above but with 8 RJ-45 serial ports instead of DB-9.

Eagle 450TX Terminal Server

For Eagle 450TX product information see Marketing Bulletin AMB99-26, *Eagle 450TX Terminal Server Announced, July 30, 1999.*

- SBS-450TX-00 Eagle 450TX Terminal Server. Includes:
- ColdFire® RISC CPU, SSD #70002
 - 32MB Main Memory
 - 4MB Flashcard
 - 10BaseT and AUI Ethernet ports
 - 8 serial I/O ports, RJ-45, with surge protection and full modem control
 - 3 expansion slots accommodating up to three AM-318-10 boards for a system total of 32 serial ports
 - 1 DB-25 parallel port
 - UPS Monitoring port
- Housed in Eagle deskside mini-chassis. Includes 34-user AMOS 2.3A license and 32-user MULTI license. **The AMOS license in the host AMOS system must include enough ports to cover all users on the Eagle 450TX.**

Memory Expansion

- PCS-00003-32 32MB Memory Module – 2K Refresh
PCS-00003-64 64MB Memory Module – 2K Refresh

MEMORY NOTE #1: The above memory modules are offered for the Eagle 450TX Terminal Server only.

MEMORY NOTE #2: The above memory modules are subject to frequent change in price and/or availability. Please consult Order Administration before making customer commitments. Prices are not subject to Volume Discount.

Serial Port Expansion

**Part
Number**

Description

PDB-00318-10 AM-318-10 Serial I/O Expansion Card; 8 RJ-45 ports

Expansion Chassis and Subsystems

AM-3501 Expansion Subsystem

NOTE: The AM-3501 provides mounting space for additional serial I/O and additional SCSI devices. For serial I/O configuration rules, see table on the next page. For complete information see Marketing Bulletin AMB95-54, *AM-3501 Expansion Subsystem*, August 25, 1995.

PDB-03501-00 AM-3501 Expansion Subsystem. Housed in deskside mini-chassis. Provides seven paddle card slots plus mounting bays for four half-height SCSI devices. Includes power supply, internal cables, I/O cable adapter for host system, and SCSI port bail mounting kit for host system. External cable(s) must be ordered separately; see below.

NOTE: Order one of the following external cables if paddle cards will be installed in the AM-3501:

DWB-10292-00 External Paddle Card Interface Cable. Length: 15 inches
DWB-10292-01 External Paddle Card Interface Cable. Length: 60 inches

NOTE: Order one of the following external cables if SCSI devices will be installed in the AM-3501 and the host system has a *narrow* (50-pin) SCSI bus connector.

PDB-01601-50 External SCSI Cable with 50-pin male Centronics connector on each end. Length: 3 ft.
PRA-00113-01 External SCSI Cable with 50-pin male Centronics connector on each end. Length: 6 ft.

NOTE: Order *both* of the following items if SCSI devices will be installed in the AM-3501 and the host system has a *wide* (68-pin) SCSI bus connector.

PDB-00440-76 Cable Kit, Wide SCSI, Internal, AM-3501
PDB-00440-82 Cable, Wide SCSI, 68-pin Male/68-pin Male, 6 ft.
..... *or*
PDB-00440-83 Cable, Wide SCSI, 68-pin Male/68-pin Male, 3 ft.

AM-905-30 Expansion Chassis

NOTE: The AM-905-30 provides mounting space for additional serial I/O cards only. For configuration rules, see table on the next page. For complete information see Marketing Bulletin AMB96-31, *AM-905-30 I/O Expansion Chassis Announced*, August 9, 1996.

PDB-00905-30 I/O Expansion Chassis. Includes 230W power supply, internal cables, and cable mounting bracket for host system.

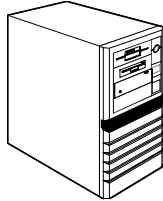
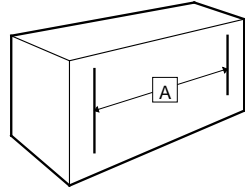
NOTE: Order one of the following external cables

DWB-10292-00 External Paddle Card Interface Cable. Length: 15 inches
DWB-10292-01 External Paddle Card Interface Cable. Length: 60 inches
UPG-20774-00 Rack Mounting Kit, AM-905-30

**Part
Number**

Description

Expansion Chassis Specifications

	AM-3501 Expansion Subsystem PDB-03501-00	AM-905-30 I/O Expansion Chassis PDB-00905-30
	 <p><i>General appearance: similar to Eagle deskside mini-chassis.</i></p>	 <p><i>General appearance: aluminum enclosure with painted finish. In diagram above, A indicates row of 16 paddle card slots.</i></p>
Dimensions	17¾"H x 9"W x 17"D	14"H x 19"W x 8½"D
Power Supply	230W 115/230VAC 50/60HZ	230W 115/230VAC 50/60HZ
Chassis Mounting		
Tabletop	Standard chassis, as is	Standard chassis, as is
Wall mount	No provision for wall mount	Mounting holes in back of case
Rack mount—optional kit required	PDB-03501-51	UPG-20774-00; requires 21 inches of vertical space
I/O Expansion Facilities		
Paddle card slots; internal cables and power wiring are included	7 slots	16 slots
Maximum physically installable serial ports	7 ea. AM-359 cards (56 serial ports)	16 ea. AM-359 cards (128 serial ports)
I/O cable to host system	DWB-10292-00 (15 in. long) or DWB-10292-01 (60 in. long)	DWB-10292-00 (15 in. long) or DWB-10292-01 (60 in. long)
SCSI Device Expansion Facilities		
Maximum SCSI devices installable	4 half-height devices	None
External SCSI cable if host system is <i>narrow</i> SCSI (50-pin connector)	PDB-01601-50 (3 ft.), or PRA-00113-01 (6 ft.)	
External SCSI cable if host system is <i>wide</i> SCSI (68-pin connector)	PDB-00440-76 Cable Kit <i>plus</i> PDB-00440-82 (6 ft.) <i>or</i> PDB-00440-83 (3 ft.)	

**Part
Number**

Description

Expansion Chassis I/O Configuration Guidelines

Host System	Compatibility Considerations	Maximum AM-359 Cards in Total System
AM-1000 AM-1200	Since an AM-1000 or AM-1200 has no paddle card bus, an expansion chassis cannot be used for I/O expansion.	None
AM-2000M	<i>All</i> paddle cards must be installed in the expansion chassis and cabled back to the paddle card connector in the host system.	16 AM-359 cards in total system
AM-2000-6 or rack mount ②	Same as AM-2000M, or connect to an AM-350 port. ①	12, connected to AM-2000 cpu port
AM-3000-6 or rack mount ②	Same as AM-2000M, or connect to an AM-350 port. ①	Same as AM-2000 VME
AM-4000M	All paddle cards in the expansion chassis connect to the host system paddle card B connector. No other paddle cards can be connected to the B connector.	Attached to AM-4000 cpu: 12 on channel A 16 on channel B
AM-3000M or LC	Same as AM-4000M.	16 on channel A 16 on channel B
AM-4000-6 VME or rack mount ②	All paddle cards in the expansion chassis connect to the host system paddle card B connector; no other paddle cards should be on the B bus. Or, expansion chassis paddle cards can be connected to an AM-350. ①	Same as AM-4000M
AM-1400 AM-1600 Eagle 100/200/250/300 400/450/500	Since these systems have no paddle card bus, an expansion chassis cannot be used for I/O expansion.	None
Super Eagle (Eagle 550) AM-6000 ③ AM-7000 ④ AM-4000 with RR060 upgrade ③	Options: <ul style="list-style-type: none"> ■ Connect the A paddle card bus to cards in the Super Eagle cabinet, and the B bus to an expansion chassis; or ■ Connect the A paddle card bus to one expansion chassis, connect the B bus to a second expansion chassis, and have <i>no</i> paddle cards in the Super Eagle cabinet. 	16 on channel A 16 on channel B

① For paddle cards connected to an AM-350, configuration limits are as follows:

AM-355—up to five boards, with 6 ports per board = 30 ports maximum

AM-358—up to four boards, with 8 ports per board = 32 ports maximum

AM-359—board is not supported on the AM-350

② Rack Mount Kit required; see opposite page for part numbers.

③ For AM-6000 and Roadrunner 060 expansion, see Marketing Bulletin AMB97-10, *Announcing the Roadrunner 060!*

④ For AM-7000 and Roadrunner 75 expansion, see Marketing Bulletin AMB2000-12, *AM-7000 Business System Announced*

**Part
Number**

Description

Traditional System Upgrades

Many system upgrade programs are offered for the installed base of Alpha Micro computers. These upgrades include the following:

- Roadrunner 75 upgrades for AM-6000, Eagle 550, and AM-4000 systems
- Roadrunner 66 (100 Base T Ethernet capability) for AM-6000 systems
- Roadrunner 060 upgrades for AM-4000 and Super Eagle systems
- Eagle 450 upgrades for Eagle 100, 250, 300, 500 systems and certain AM-1600 systems
- Eagle 250 upgrades for Eagle 100, 200, and 300 systems

Other special upgrade or trade-in programs are available from time to time. Contact your Order Administrator for further information.

Paths and pricing for the various standard upgrades are as follows:

HARDWARE UPGRADE KIT PRICING AND POLICY

The price of the hardware upgrade kits is based upon an **exchange policy**. This means you will be invoiced for the price of the upgrade kit as shown in this price list. Subsequently, you will have 30 days to return the removed parts as defined for each system. **Should you fail to return the defined parts within the prescribed period, you will be invoiced for the trade-in value of those parts.** For each upgrade, the following table shows the trade-in value and the number of days allowed for trade-in.

*** Asterisk following VAR Price indicates price is net *after* return of trade-in parts. Parts trade-in value is specified with each upgrade kit part number.**

In addition to the Upgrade Product Part Number shown in the table that follows, there may be other items that need to be purchased as prerequisites for the specific upgrades. Please refer to the appropriate Marketing Bulletins that announced the upgrades to get the details on any prerequisites and other special considerations.

SOFTWARE UPGRADE KIT PRICING

In certain cases a field upgrade of hardware will also require an upgrade of software. Alpha Micro has implemented an upgrade policy that covers these specific cases. Consult your Order Administrator for details.

UPGRADE APPROVAL

Most upgrades require submission of an **Installed System Upgrade form** with each upgrade order. Blank forms are available at the end of this section or you can obtain them from Alpha Micro Order Administration. Upgrade orders will not be accepted without a completed Installed System Upgrade form.

**Part
Number**

Description

Upgrade Description	Upgrade Product Part Number	VAR Price Without Trade-In	Trade-in Value	VAR Net Price After Trade-in	Trade-in Return Time	Trade-in Return Requirements*
AM-6000 — Add Roadrunner 75	UPG-0276C-31				30 days	Roadrunner 060 board
AM-6000 — Add Roadrunner 66 for 100 Base T capability	UPG-0066C-33				30 days	Roadrunner 060 board
Super Eagle — Add Roadrunner 75	UPG-0276B-31				30 days	Roadrunner 040 board
	UPG-0276B-75				30 days	
	UPG-0276B-76				30 days	
Super Eagle — Add Roadrunner 060	UPG-0176B-31				30 days	Roadrunner 040 board
	UPG-0176B-75				30 days	
	UPG-0176B-76				30 days	
AM-4000 — Add Roadrunner 75	UPG-0276A-40				30 days	AM-190 CPU board and SSD chip
	UPG-0276A-46				30 days	
	UPG-0276A-70				30 days	
	UPG-0276A-71				30 days	
AM-4000 — Add Roadrunner 060	UPG-0176A-40				30 days	AM-190 CPU board and SSD chip
	UPG-0176A-46				30 days	
	UPG-0176A-70				30 days	
	UPG-0176A-71				30 days	
Eagle 250 — Upgrade to Eagle 450	EGL-25045-00				30 days	Eagle 250 CPU board
Eagle 100/300/500 and AM-1600 — upgrade to Eagle 450	See Eagle 450 Upgrade pages below for details.					
Eagle 100/300/500 and AM-1600 — upgrade to Eagle 250	See Eagle 250 Upgrade pages below for details.					
Falcon, 1200CS, AM-1400, and Eagle 100LC — upgrade to Eagle 250LC	See Eagle 250LC Upgrade pages below for details.					

- CPU board must be returned in working condition.

**Part
Number**

Description

Roadrunner 75 Field Upgrades for AM-6000, Eagle 550, and AM-4000 Systems

Field upgrades are available for AM-6000, Eagle 550, and AM-4000 systems to transform these systems into full AM-7000 systems. In addition to replacement of the CPU board in the upgraded system, memory must also be replaced. A special SIMM memory exchange program has been set up to further enhance this upgrade program. Please consult Marketing Bulletin AMB2000-12, *AM-7000 Business System Announced*, March 31, 2000 for full details of these upgrade programs.

Roadrunner 75 Field Upgrades for AM-6000 Systems

Roadrunner 75 Upgrade Kits for AM-6000 Systems

UPG-0276C-31 Roadrunner 75 Upgrade Kit, AM-6000, any model
Includes Roadrunner 75 with 75MHz MC68060 Processor
and mounting kit. *Order this kit to upgrade any AM-6000.*
Trade-in value of AM-6000 parts:

If the AM-6000 does not already have a Wide SCSI bus,
order one of the following, in addition to the Roadrunner 75,
to obtain the best system performance.

- For AM-6000 in desktide mini-chassis, order the Wide SCSI Option Kit, PDB-00440-70
(see "PDB-00440-70 ★" below).
- For AM-6000 in AM-990 chassis, order the Wide SCSI Option Kit, PDB-00440-71
(see "PDB-00440-71 ★" below).
- For AM-6000 in AM-990 Jumbo chassis, order the Wide SCSI Option Kit, PDB-00440-72
(see "PDB-00440-72 ★" below).

Wide SCSI Option Kits for AM-6000

PDB-00440-70 ★ Wide SCSI Option Kit, Eagle Chassis
Use with AM-6000 in desktide mini-chassis

PDB-00440-71 ★ Wide SCSI Option Kit, AM-990 Chassis
Use with AM-6000 in AM-990 chassis

PDB-00440-72 ★ Wide SCSI Option Kit, AM-990 Double-wide Chassis
Use with AM-6000 in AM-990 Jumbo chassis

Roadrunner 75 Field Upgrades for Super Eagle Systems

Roadrunner 75 Upgrade Kits for Super Eagle (Eagle 550)

UPG-0276B-31 Roadrunner 75 Upgrade Kit, SE550, Desktide
Includes Roadrunner 75 with 75MHz MC68060 Processor
and mounting kit. *Order this kit to upgrade the following:*
Super Eagle in desktide mini-chassis
Trade-in value of Eagle 550 parts:

For Wide SCSI Option Kit, order PDB-00440-70
(see "PDB-00440-70 ★" below).

UPG-0276B-75 Roadrunner 75 Upgrade Kit, SE550, AM-990 Chassis

**Part
Number**

Description

Includes Roadrunner 75 with 75MHz MC68060 Processor and mounting kit. *Order this kit to upgrade the following:*
Super Eagle in AM-990 chassis
Trade-in value of Eagle 550 parts:

For Wide SCSI Option Kit, order -71★ below.

UPG-0276B-76 Roadrunner 75 Upgrade Kit, SE550, AM-990 Jumbo Chassis
Includes Roadrunner 75 with 75MHz MC68060 Processor and mounting kit. *Order this kit to upgrade the following:*
Super Eagle in AM-990 double-wide chassis
Trade-in value of Eagle 550 parts:

For Wide SCSI Option Kit, order -72★ below.

Wide SCSI Option Kits for Super Eagle

PDB-00440-70 ★ Wide SCSI Option Kit, Eagle Chassis
Use with Super Eagle in deskside mini-chassis

PDB-00440-71 ★ Wide SCSI Option Kit, AM-990 Chassis
Use with Super Eagle in AM-990 chassis

PDB-00440-72 ★ Wide SCSI Option Kit, AM-990 Double-wide Chassis
Use with Super Eagle in AM-990 Jumbo chassis

Roadrunner 75 Field Upgrades for AM-4000 Systems

Roadrunner 75 Upgrade Kits for AM-4000

UPG-0276A-40 Roadrunner 75 Upgrade Kit, AM-4000, Pedestal
Includes Roadrunner 75 with 75MHz MC68060 Processor, AM-319-20 System Board, and mounting kit.
Order this kit to upgrade the following configurations only:
AM-4000M in old-style SBC pedestal chassis
AM-4000 VME 6-slot in old-style pedestal chassis
Trade-in value of AM-4000 parts:

For Wide SCSI Option Kit, order PDB-00440-73
(see “PDB-00440-73★” at bottom of page).

UPG-0276A-46 Roadrunner 75 Upgrade Kit, AM-4000, RM/VME
Includes Roadrunner 75 with 75MHz MC68060 Processor, AM-319-20 System Board, and mounting kit.
Order this kit to upgrade the following configurations only:
AM-4000 VME 10-slot rack mount system
AM-4000 VME 21-slot rack mount system
Trade-in value of AM-4000 parts:

For Wide SCSI Option Kit, order -74★ below.

UPG-0276A-70 Roadrunner 75 Upgrade Kit, AM-4000, AM-990 Chassis
Includes Roadrunner 75 with 75MHz MC68060 Processor, AM-319-20 System Board, and mounting kit.
Order this kit to upgrade the following configurations only:

**Part
Number**

Description

AM-4000M in AM-990 chassis
AM-4000-06 VME in AM-990 chassis
Trade-in value of AM-4000 parts:

For Wide SCSI Option Kit, order -71★ below.

UPG-0276A-71 Roadrunner 75 Upgrade Kit, AM-4000, Jumbo Chassis
Includes Roadrunner 75 with 75MHz MC68060 Processor,
AM-319-20 System Board, and mounting kit.
Order this kit to upgrade the following configuration only:
AM-4000M in AM-990 double-wide chassis
Trade-in value of AM-4000 parts:

For Wide SCSI Option Kit, order -72★ below.

Wide SCSI Option Kits for AM-4000

- PDB-00440-71★ Wide SCSI Option Kit, AM-990 Chassis
For AM-4000M in AM-990 chassis and
AM-4000-06 VME in AM-990 chassis
- PDB-00440-72★ Wide SCSI Option Kit, AM-990 Double-wide Chassis
For AM-4000M in AM-990 double-wide chassis
- PDB-00440-73★ Wide SCSI Option Kit, Pedestal
For AM-4000M in old-style SBC pedestal chassis
and AM-4000 VME 6-slot in old-style pedestal chassis
- PDB-00440-74★ Wide SCSI Option Kit, Rackmount
For AM-4000 VME 10- or 21- slot Rack mount system

AM-6000 Field Upgrade To Add 100 Base T Ethernet Capability

A field upgrade is available for AM-6000 and AM-6060 systems to increase the performance of the Ethernet port included in the system to 100 Base T standard. This upgrade involves the replacement of the CPU board in the AM-6000 plus some other items. Please consult Marketing Bulletin AMB2000-13, *New Value for the AM-6000*, March 31,2000 for full details.

Roadrunner 66 Exchange/Upgrade

UPG-0066C-33 Roadrunner 66 Exchange/Upgrade for AM-6000. Parts may
be new or remanufactured.
Price is contingent on return of original AM-176
Roadrunner board, with cache memory SIMM.
Trade-in value of AM-6000 parts:

Memory

NOTE: If the SIMMs in the existing Roadrunner 060 are 16MB each, or larger, you can swap them into the Roadrunner 66 at the time of installation. Any 4MB or 8MB SIMMs must be replaced. See “Memory Trade-in” program details contained in Marketing Bulletin AMB2000-13.

<u>Part Number</u>	<u>Description</u>
PFB-00712-16	16MB Memory Module (60ns)
PFB-00712-32	32MB Memory Module (60ns)
PFB-00712-64	64MB Memory Module (60ns)

Wide SCSI Option Kits

NOTE: If the existing AM-6000 is equipped with a narrow SCSI bus, a Wide SCSI bus can be installed at the same time as the Roadrunner 66 upgrade.

PDB-00440-70	Wide SCSI Option Kit, Eagle Chassis
PDB-00440-71	Wide SCSI Option Kit, AM-990 Chassis
PDB-00440-72	Wide SCSI Option Kit, AM-990 Double-wide Chassis
PDB-00440-73	Wide SCSI Option Kit, Pedestal
PDB-00440-74	Wide SCSI Option Kit, Rackmount
PDB-00440-75	Wide SCSI Option Kit, High Capacity (Internal Only)

Wide SCSI Adapter

NOTE: If a Wide SCSI option kit is ordered, also order a Wide SCSI Adapter for each narrow SCSI device in the system.

PDB-00440-91	Wide SCSI Adapter, 50-pin Device to 68-pin Wide Bus
PDB-00440-94	Wide SCSI Host Adapter for 50-pin Bus Cable

Roadrunner 060 Upgrades for Super Eagle Systems

Roadrunner 060 Upgrade Kits for Super Eagle (Eagle 550)

UPG-0176B-31	<p>Roadrunner 060 Upgrade Kit, SE550, Deskside Includes Roadrunner 060 with 66MHz MC68060 Processor and mounting kit. <i>Order this kit to upgrade the following:</i></p> <ul style="list-style-type: none"> • Super Eagle in deskside mini-chassis <p>Trade-in value of Eagle 550 parts:</p> <p>For Wide SCSI Option Kit, order PDB-00440-70 (see "PDB-00440-70 ★" below).</p>
UPG-0176B-75	<p>Roadrunner 060 Upgrade Kit, SE550, AM-990 Chassis Includes Roadrunner 060 with 66MHz MC68060 Processor and mounting kit. <i>Order this kit to upgrade the following:</i></p> <ul style="list-style-type: none"> • Super Eagle in AM-990 chassis <p>Trade-in value of Eagle 550 parts:</p> <p>For Wide SCSI Option Kit, order -71★ below.</p>
UPG-0176B-76	<p>Roadrunner 060 Upgrade Kit, SE550, AM-990 Jumbo Chassis Includes Roadrunner 060 with 66MHz MC68060 Processor and mounting kit. <i>Order this kit to upgrade the following:</i></p> <ul style="list-style-type: none"> • Super Eagle in AM-990 double-wide chassis <p>Trade-in value of Eagle 550 parts:</p> <p>For Wide SCSI Option Kit, order -72★ below.</p>

**Part
Number**

Description

Wide SCSI Option Kits for Super Eagle

- PDB-00440-70 ★ Wide SCSI Option Kit, Eagle Chassis
- Use with Super Eagle in deskside mini-chassis
- PDB-00440-71 ★ Wide SCSI Option Kit, AM-990 Chassis
- Use with Super Eagle in AM-990 chassis
- PDB-00440-72 ★ Wide SCSI Option Kit, AM-990 Double-wide Chassis
- Use with Super Eagle in AM-990 Jumbo chassis

Roadrunner 060 Upgrades for AM-4000 Systems

Roadrunner 060 Upgrade Kits for AM-4000

- UPG-0176A-40 Roadrunner 060 Upgrade Kit, AM-4000, Pedestal
Includes Roadrunner 060 with 66MHz MC68060 Processor,
AM-319-20 System Board, and mounting kit.
Order this kit to upgrade the following configurations only:
- AM-4000M in old-style SBC pedestal chassis
 - AM-4000 VME 6-slot in old-style pedestal chassis
- Trade-in value of AM-4000 parts:
- For Wide SCSI Option Kit, order PDB-00440-73
(see “PDB-00440-73★” at bottom of page).
- UPG-0176A-46 Roadrunner 060 Upgrade Kit, AM-4000, RM/VME
Includes Roadrunner 060 with 66MHz MC68060 Processor,
AM-319-20 System Board, and mounting kit.
Order this kit to upgrade the following configurations only:
- AM-4000 VME 10-slot rack mount system
 - AM-4000 VME 21-slot rack mount system
- Trade-in value of AM-4000 parts:
- For Wide SCSI Option Kit, order -74★ below.
- UPG-0176A-70 Roadrunner 060 Upgrade Kit, AM-4000, AM-990 Chassis
Includes Roadrunner 060 with 66MHz MC68060 Processor,
AM-319-20 System Board, and mounting kit.
Order this kit to upgrade the following configurations only:
- AM-4000M in AM-990 chassis
 - AM-4000-06 VME in AM-990 chassis
- Trade-in value of AM-4000 parts:
- For Wide SCSI Option Kit, order -71★ below.
- UPG-0176A-71 Roadrunner 060 Upgrade Kit, AM-4000, Jumbo Chassis
Includes Roadrunner 060 with 66MHz MC68060 Processor,
AM-319-20 System Board, and mounting kit.
Order this kit to upgrade the following configuration only:
- AM-4000M in AM-990 double-wide chassis
- Trade-in value of AM-4000 parts:
- For Wide SCSI Option Kit, order -72★ below.

Wide SCSI Option Kits for AM-4000

<u>Part Number</u>	<u>Description</u>
PDB-00440-71★	Wide SCSI Option Kit, AM-990 Chassis <ul style="list-style-type: none"> • For AM-4000M in AM-990 chassis and AM-4000-06 VME in AM-990 chassis
PDB-00440-72★	Wide SCSI Option Kit, AM-990 Double-wide Chassis <ul style="list-style-type: none"> • For AM-4000M in AM-990 double-wide chassis
PDB-00440-73★	Wide SCSI Option Kit, Pedestal <ul style="list-style-type: none"> • For AM-4000M in old-style SBC pedestal chassis and AM-4000 VME 6-slot in old-style pedestal chassis
PDB-00440-74★	Wide SCSI Option Kit, Rackmount <ul style="list-style-type: none"> • For AM-4000 VME 10- or 21- slot Rack mount system

Eagle 550 Upgrade Kits

This kit converts any system that already includes a Roadrunner 040 into a Super Eagle in a desktside mini-chassis.

The kit provides the appropriate Eagle chassis; power supply; Super Eagle system board (AM-319-20); and new boot PROM. The kit works with 66MHz or 80MHz Roadrunner 040. Roadrunner's original memory remains in place. Move SCSI peripherals from the original system into the Super Eagle chassis. The AM-319-20 system board provides an Ethernet port, four parallel ports, four serial I/O ports, and two paddle card busses. Upgraded system supports up to 60 serial ports in the desktside chassis, and up to 260 ports with external expansion chassis.

Software—Upgraded system requires AMOS 2.3A or 2.2E; AMOS 1.4 is not supported. Original system's AMOS license can be exchanged at no charge, port for port, as part of the upgrade.

AM-359 Buy One, Get One offer—When you order two AM-359 boards with a Super Eagle Upgrade Kit, the second board comes free. Either or both boards can be opto-isolated or non-isolated models. Only one free AM-359 is offered with each Super Eagle Upgrade Kit. If the boards are of mixed types (opto- and non-isolated), the free board will be the one of lesser cost.

UPG-EAGLE-10 Super Eagle Upgrade Kit. Includes Eagle desktside mini-chassis with 230W power supply; Super Eagle system board; and replacement boot PROM.
Trade-in value of Eagle parts:

The amount shown is the Net VAR Price *after* return of trade-in parts. For details see "Hardware Upgrade Kit Pricing and Policy," earlier in this section.

**Part
Number**

Description

Eagle 450 Upgrades

Prices, specifications, and marketing tips for Eagle 450 upgrades are shown here. The material is organized by model of the original system — the machine to which the Eagle 450 upgrade will be applied. Upgrades are shown for these systems:

- Eagle 100 systems
- Eagle 300 and Eagle 500 systems
- AM-1600 systems in deskside chassis (for an AM-1600 in the desktop chassis, trade in the whole system and get a brand-new Eagle 450)
- Eagle 250 systems

Information about Eagle 450 memory trade-ins is shown later.

Upgrade kits contain an AM-138 processor board with 64KB external cache. The Eagle 450's eight standard serial ports are implemented on the processor board. Internal cables from the AM-138 board to the port connectors in the rear panel, and the connectors themselves, are *not* included. Connectors and internal cable harnesses can be moved from the upgraded system or purchased separately.

Eagle 100 Upgrade to Eagle 450

Part numbers — EGL-10045-00 Upgrade Kit, Eagle 100 to Eagle 450, Narrow SCSI
 EGL-10045-01 Upgrade Kit, Eagle 100 to Eagle 450, Wide SCSI

Kit contents — When you order one of these kits, we ship the following:

- AM-138 processor board
- Replacement rear panel for Eagle deskside chassis
- The -01 kit includes Wide SCSI cabling and external SCSI connector

Existing serial ports can be re-installed in the new system, or replaced, as explained in the table on the following page. Depending on the original ports, you may need to order a Lightning upgrade kit or other items. See the next page for details.

Parts to be returned to Alpha Micro — Kit price is contingent on return of the AM-137 board from the Eagle 100. Keep the original SSD chip and re-install it in the Eagle 450.

Potential benefits of this upgrade

- Latest Motorola and Alpha Micro technology
- Higher performance — twice the original SI rating, plus Wide SCSI for faster peripheral access
- Twice as many serial ports
- Lightning protection on serial ports
- Four times as much memory — maximum of 128MB instead of 32MB
- Substantially higher Ethernet throughput

Implementation considerations

- AMOS 2.3A or later is required.
- Although some AM-138 boards include PCI expansion slots, PCI cards will *not fit* in the upgraded chassis.

Pricing

EGL-10045-00 Upgrade Kit, Eagle 100 to Eagle 450, Narrow SCSI
EGL-10045-01 Upgrade Kit, Eagle 100 to Eagle 450, Wide SCSI

Trade-in value of AM-137 board from Eagle 100 is _____. This amount will be invoiced if board is not returned within 30 days.

**Part
Number**

Description

Eagle 450 Serial Port Planner — Eagle 100 Upgrades

What are the Eagle 300 / 500 serial ports before the upgrade?	What ports do you want when the upgrade is finished?	Order this additional item	Notes
The eight standard serial ports			
8 X DB-9 (eight DB-9 connectors; most Eagle 100 systems are built like this)	8 X DB-9 (the 8 standard ports in Eagle 450 will be same as in Eagle 100)	Nothing extra to order. Just unplug the DB-9s from Eagle 100 and re-install inside Eagle 450.	①
	8 X RJ-45 (convert standard ports to RJ-45 and add lightning protection)	Order <u>two</u> UPG-00090-30 Lightning Upgrade Kits	
8 X RJ-45 (Eagle 100 already includes Lightning boards)	8 X RJ-45	Nothing extra to order. Move the Lightning boards from Eagle 100 to Eagle 450.	
Ports on AM-314 card, if the Eagle 100 has one			
AM-314 with 4 X DB-9 (Eagle 100 already includes an AM-314 card)	4 X DB-9 (same as Eagle 100)	Nothing extra to order. Move AM-314 from Eagle 100 to Eagle 450.	①
	4 X RJ-45	Order <u>one</u> UPG-00090-30 Lightning Upgrade Kit	
AM-314 with 4 X RJ-45	4 X RJ-45	Nothing extra to order.	
Ports on AM-318 card, if the Eagle 100 has one			
AM-318 with RJ-21 50-pin telco connector	Keep same RJ-21 connector as on the Eagle 100	Nothing extra to order. Move AM-318 and RJ-21 to Eagle 450.	②
	8 X RJ-45 (convert ports to RJ-45 and include lightning protection)	Order <u>one</u> UPG-00090-33 Lightning Upgrade Kit (includes “Y” cable for AM-318 card)	
AM-318 with 8 X RJ-45 ports (“AM-318-02 “)	AM-318 with 8 X RJ-45 ports (same as Eagle 100)	Nothing extra to order	
Ports on AM-318-10 card, if the Eagle 100 has one			
AM-318-10 with 8 X RJ-45 ports	Same as Eagle 100	Nothing extra to order. Move card and ports to Eagle 450.	

Notes

- ① DB-9 ports take twice as much space on the rear panel as RJ-45 ports. Use of DB-9 ports therefore decreases the maximum number of ports you can install in the Eagle 450. Also, our RJ-45 Lightning ports provide electrical surge protection, which DB-9 ports do not.
- ② The 50-pin RJ-21 telco connector does not provide electrical surge protection.

**Part
Number**

Description

Eagle 300 or Eagle 500 Upgrade to Eagle 450

Part numbers —	EGL-30045-00	Upgrade Kit, Eagle 300 to Eagle 450, Narrow SCSI
	EGL-30045-01	Upgrade Kit, Eagle 300 to Eagle 450, Wide SCSI
	EGL-50045-00	Upgrade Kit, Eagle 500 to Eagle 450, Narrow SCSI
	EGL-50045-01	Upgrade Kit, Eagle 500 to Eagle 450, Wide SCSI

Kit contents — When you order one of these kits, we ship the following:

- AM-138 processor board
- Replacement rear panel for Eagle deskside chassis
- The -01 kits include Wide SCSI cabling and external SCSI connector

Existing serial ports can be re-installed in the new system, or replaced, as explained in the table on the next page. Depending on the original ports, you may need to order a Lightning upgrade kit or other items. See the next page for details.

Parts to be returned to Alpha Micro — Kit price is contingent on return of the Roadrunner 030 board from an Eagle 300, the Roadrunner 040 board from an Eagle 500, and the AM-319 I/O board from either of those systems. Keep the original SSD chip and re-install it in the Eagle 450.

Potential benefits of this upgrade

- Latest Motorola and Alpha Micro technology
- Performance
 - For Eagle 300 — Twice the original SI rating, plus Wide SCSI for faster peripheral access
 - For Eagle 500 — Performance of the upgraded system should be about the same as before. The Eagle 500 has a slightly higher SI rating, but the Eagle 450 has a Wide SCSI bus
- Lightning protection on serial ports
- Two times as much memory — maximum of 128MB instead of 64MB

Implementation considerations

- AMOS 2.3A or later is required.
- Although the AM-138 board includes PCI expansion slots, PCI cards will *not fit* in the upgraded chassis.

Pricing

EGL-30045-00	Upgrade Kit, Eagle 300 to Eagle 450, Narrow SCSI
EGL-30045-01	Upgrade Kit, Eagle 300 to Eagle 450, Wide SCSI

Trade-in value of the Roadrunner 030 and AM-319 boards from the Eagle 300 is

EGL-50045-00	Upgrade Kit, Eagle 500 to Eagle 450, Narrow SCSI
EGL-50045-01	Upgrade Kit, Eagle 500 to Eagle 450, Wide SCSI

Trade-in value of the Roadrunner 040 and AM-319 boards from the Eagle 500 is

DWB-10120-01	DB-9 Cable Assembly, 4-port. Provides four DB-9 Serial ports for Eagle 450.
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**Part
Number**

Description

Eagle 450 Serial Port Planner — Eagle 300 / 500 Upgrades

What are the Eagle 300 / 500 serial ports before the upgrade?	What ports do you want when the upgrade is finished?	Order this additional item	Notes
The eight standard serial ports			
In an Eagle 300 or 500, the 8 standard ports are implemented on AM-314 or AM-318 cards	8 X DB-9 (the 8 standard ports in Eagle 450 will have same connectors as in the Eagle 300 or 500)	Order <u>two</u> DWB-10120-01 DB-9 Cable Assemblies , <i>or</i> move existing DB-9s from Eagle 300/500	①
In an Eagle 450, those ports are on the CPU board, and require internal cables only.	8 X RJ-45 (convert standard ports to RJ-45 and add lightning protection)	Order <u>two</u> UPG-00090-30 Lightning Upgrade Kits	
Order internal cables, if required, as shown at the right.	1 X RJ-21 (assumes the Eagle 300/500 uses an AM-318 card for its 8 standard ports). The RJ-21 is not connectable to the Eagle 450's on-board ports. Remove this AM-318 card and keep it for your inventory. Replace the RJ-21 by ordering two DWB-10120-01 cable assemblies (for DB-9 interface) or two UPG-00090-30 Lightning Kits (for RJ-45 interface).		
Ports on AM-314 card(s)			
AM-314 with 4 X DB-9 (Eagle 300/500 already includes an AM-314 card)	4 X DB-9 (same as Eagle 300/500)	Nothing extra to order. Move AM-314 from Eagle 300/500 to Eagle 450.	①
	4 X RJ-45	Order <u>one</u> UPG-00090-30 Lightning Upgrade Kit	
AM-314 with 4 X RJ-45	4 X RJ-45	Nothing extra to order.	
Ports on AM-318 card(s)			
AM-318 with RJ-21 50-pin telco connector	Keep same RJ-21 connector as on the Eagle 300/500	Nothing extra to order. Move AM-318 and RJ-21 to Eagle 450.	②
	8 X RJ-45 (convert ports to RJ-45 and include lightning protection)	Order <u>one</u> UPG-00090-33 Lightning Upgrade Kit (includes "Y" cable for AM-318 card)	
AM-318 with 8 X RJ-45 ports ("AM-318-02")	AM-318 with 8 X RJ-45 ports (same as Eagle 300/500)	Nothing extra to order	
Ports on new AM-318-10 card(s)			
AM-318-10 with 8 X RJ-45 ports	Same as Eagle 300/500	Nothing extra to order. Move card and ports to Eagle 450.	

Notes

- ① DB-9 ports take twice as much space on the rear panel as RJ-45 ports. Use of DB-9 ports therefore decreases the maximum number of ports you can install in the Eagle 450. Also, our RJ-45 Lightning ports provide electrical surge protection, which DB-9 ports do not.
- ② The 50-pin RJ-21 telco connector does not provide electrical surge protection.

**Part
Number**

Description

AM-1600 (Deskside only) Upgrade* to Eagle 450

Part numbers —	EGL-01645-20	Upgrade Kit, AM-1600 (Deskside) to Eagle 450, Narrow
	EGL-01645-21	Upgrade Kit, AM-1600 (Deskside) to Eagle 450, Wide

Kit contents — When you order one of these kits, we ship the following:

- AM-138 processor board
- Replacement rear panel for Eagle deskside chassis
- The -01 and -21 kits include Wide SCSI cabling and external SCSI connector

Existing serial ports can be re-installed in the new system, or replaced, as explained in the table on the next page. To obtain lightning protection for the eight standard ports in the Eagle 450, you will need to order a Lightning upgrade kit. See the next page for details.

Parts to be returned to Alpha Micro — Kit price is contingent on return of the AM-1600 processor board. The original SSD chip must be returned.

Potential benefits of this upgrade

- Latest Motorola and Alpha Micro technology
- Much higher performance. Eagle 450 has an SI of 66 vs. 22 for a 25MHz AM-1600
- Supports Wide SCSI disks; far superior to SASI-based SCSI in AM-1600
- Substantially higher Ethernet throughput
- Lightning protection on serial ports
- Much more memory — maximum of 128MB in Eagle 450 vs. 8MB in AM-1600
- The upgrade yields a bigger, faster, more powerful system all around

Implementation considerations

- AMOS 2.3A or later is required.
- VCR backup not supported.
- Although the AM-138 board includes PCI expansion slots, PCI cards will *not fit* in the upgraded chassis. (PCI cards *will* fit in the new deskside chassis provided when you trade in a desktop AM-1600 for a brand-new Eagle 450.)

Pricing

EGL-01645-20	Upgrade Kit, AM-1600 (Deskside) to Eagle 450, Narrow SCSI
EGL-01645-21	Upgrade Kit, AM-1600 (Deskside) to Eagle 450, Wide SCSI
DWB-10120-01	DB-9 Cable Assembly, 4-port. Provides four DB-9 serial ports for Eagle 450.

Note: To upgrade an AM-1600 in the *desktop* chassis, trade in the whole system and get a brand-new Eagle 450.

**Part
Number**

Description

Eagle 450 Serial Port Planner — AM-1600 Upgrades

What are the Eagle 300 / 500 serial ports before the upgrade?	What ports do you want when the upgrade is finished?	Order this Additional item	Notes
The eight standard serial ports			
Standard ports in an AM-1600 are implemented on AM-314 cards.	8 × DB-9 (the 8 standard ports in Eagle 450 will have same connectors as in the AM-1600)	Order <u>two</u> UPG-10120-01 DB-9 Upgrade Kits , or move existing DB-9s from the AM-1600.	①
In an Eagle 450, those ports are on the CPU board, and require internal cables only.	8 × RJ-45 (convert standard ports to RJ-45 and add lightning protection)	Order <u>two</u> UPG-00090-30 Lightning Upgrade Kits	
Order internal cables, if required, as shown at the right.			
Additional ports on AM-314 card(s)			
AM-314 with 4 × DB-9	4 × DB-9 (same as AM-1600)	Nothing extra to order. Move AM-314 from AM-1600 to Eagle 450.	①
	4 × RJ-45	Order <u>one</u> UPG-00090-30 Lightning Upgrade Kit	

Note

- ① DB-9 ports take twice as much space on the rear panel as RJ-45 ports. Use of DB-9 ports therefore decreases the maximum number of ports you can install in the Eagle 450. Also, our RJ-45 Lightning ports provide electrical surge protection, which DB-9 ports do not.

**Part
Number**

Description

Eagle 250 to Eagle 450 Upgrade Kit

NOTE: The following board upgrade is offered on an exchange basis. That means you will be invoiced for the board at the price shown. You will then have 30 days in which to return the designated part. Should you fail to return the part within 30 days, you will be invoiced for the additional trade-in value shown here.

EGL-25045-00 Upgrade Kit, Eagle 250 to Eagle 450
AM-138-10 trade-in value:

Wide SCSI Upgrade Kit

PDB-00440-70 Wide SCSI Option Kit, Eagle Chassis
Upgrades a *narrow SCSI* Eagle 250 or 450
to a *Wide SCSI* Eagle 250 or 450

** Annual maintenance fee shown is in addition to original system maintenance fee.

Eagle 100, 200, 300 Upgrade to Eagle 250

NOTE: The following upgrade kits are offered on an exchange basis. That means you will be invoiced for the kit at the price shown. You will then have 30 days in which to return the designated parts. Should you fail to return the designated parts within 30 days, you will be invoiced for the additional trade-in value shown here.

Old Style Chassis:

EGL-10025-00 Upgrade Kit, Eagle 100 to Eagle 250, Narrow SCSI
Trade-in value of Eagle 100 parts:
EGL-10025-01 Upgrade Kit, Eagle 200 or 300 to Eagle 250, Narrow SCSI
Trade-in value of Eagle 200 or 300 parts:
EGL-10025-02 Upgrade Kit, Eagle 100 to Eagle 250, Wide SCSI
Trade-in value of Eagle 100 parts:
EGL-10025-03 Upgrade Kit, Eagle 200 or 300 to Eagle 250, Wide SCSI
Trade-in value of Eagle 200 or 300 parts:

New Style Chassis:

EGL-10025-10 Upgrade Kit, Eagle 100 to Eagle 250, Narrow SCSI
Trade-in value of Eagle 100 parts:
EGL-10025-11 Upgrade Kit, Eagle 200 or 300 to Eagle 250, Narrow SCSI
Trade-in value of Eagle 200 or 300 parts:
EGL-10025-12 Upgrade Kit, Eagle 100 to Eagle 250, Wide SCSI
Trade-in value of Eagle 100 parts:
EGL-10025-13 Upgrade Kit, Eagle 200 or 300 to Eagle 250, Wide SCSI
Trade-in value of Eagle 200 or 300 parts:

** Annual maintenance fee shown is in addition to original system maintenance fee.

The price of the above upgrade kits is based upon an **exchange policy**. This means you will be invoiced for the price of the upgrade kit as shown in this price list. Subsequently, you will have 30 days to return the designated parts. **Should you fail to return the parts within 30 days you will be invoiced for the trade-in value.**

Eagle 250LC to Eagle 250 Upgrade Kit

**Part
Number**

Description

NOTE: The following board upgrade is offered on an exchange basis. That means you will be invoiced for the board at the price shown. You will then have 30 days in which to return the designated part. Should you fail to return the part within 30 days, you will be invoiced for the additional trade-in value shown here.

EGL-25045-20 Upgrade Kit, Eagle 250LC to Eagle 250
AM-138-20 trade-in value:

* **Annual maintenance fee shown is in addition to original system maintenance fee.**

Wide SCSI Upgrade Kit

PDB-00440-70 Wide SCSI Option Kit, Eagle Chassis
Upgrades a *narrow SCSI* Eagle 250 or 450
to a *Wide SCSI* Eagle 250 or 450

Lightning Board Upgrades

Installed as an upgrade, the AM-90 Lightning board adds RJ-45 ports and electrical surge protection (lightning protection) to certain existing serial I/O arrangements. These arrangements are AM-314 boards, AM-318 boards, and the standard serial ports in an Eagle 100, 100LC, 250LC, or 250. The table on the following page explains what to order. Prices are:

Lightning Upgrades

UPG-00090-30 Lightning Upgrade, 4-port. For AM-314 or for standard
on-board ports on Eagle 100, Eagle 250LC, 250 or Eagle 450.
Includes AM-90 Lightning board and internal cabling.

Replacement Rear Panels and Parts

DWF-20753-01 Rear Panel, Eagle 100LC
DWF-20753-02 Rear Panel, Eagle 300, 400, or 500
DWF-20753-03 Rear Panel, Eagle 100 or 200
DWF-20519-04 Adapter, SCSI Cutout to DB-9 Connector. Mounts two
DB-9 connectors in one SCSI/Centronics rear panel cutout

Depending on the number of ports desired and on the age of the system, it may be necessary to replace the rear panel of the chassis. The following table summarizes the configuration rules:

**Part
Number**

Description

AM-90 Lightning Ports in Eagle Systems

System			Rear Panel Capacity						
			Existing Rear Panel			New Rear Panel			
Eagle Model	Max No. of Serial Ports	Rear Panel Part Number	No. of DB-9 Cut-outs ①	50-pin Centronics Cutouts	Max. No. of AM-90 Lightning Ports	No. of DB-9 Cut-outs ①	50-pin Centronics Cutouts	Max. No. of AM-90 Lightning Ports	New panel first shipments (approx.)
100LC	4	DWF-20753-01	2	1	4	No change in this rear panel			
100	16	DWF-20753-03	8	2	8	4	4	16	Oct. '97
200	16	DWF-20753-03	4	2	8	4	4	16	
250LC	4					None	8	4	All
250	32					None	8	24 / 32 ④	All
450 ③	32					None	8	32	All
300/500	32	DWF-20753-02	8	4	16	None	8	32	Sept. '97
AM-990	32	DWF-20753-05	8	4	16	Note ②			

Notes

- ① DB-9 connectors can also be installed in the 50-pin Centronics cutouts by using the DWF-20519-04 adapters furnished with each system.
- ② Owing to limited demand for Eagle 300/500 systems in the AM-990 chassis, no change in the rear panel is scheduled at this time. Consult Order Administration for the latest information.
- ③ All Eagle 450 systems are equipped with eight AM-90 Lightning ports as standard. For additional Lightning ports, order AM-318-10 cards.
- ④ Eagle 250 systems are equipped with eight standard 9-pin serial I/O ports and you can add 16 AM-90 Lightning ports to that configuration using AM-318-10 cards. If you configure first eight ports as AM-90 Lightning ports using UPG-00090-30, you can add up to 24 AM-90 Lightning ports to that configuration for a total of 32 ports using AM-318-10 cards.

**Part
Number**

Description

Guide to AM-90 Lightning Upgrades

Desired Upgrade	What to Order	
	Qty.*	Part Number and Description
RJ-45 ports for <i>existing</i> AM-314 card	1 A/R	UPG-00090-30 Lightning Upgrade, 4-port Kit includes a Lightning board and a cable to connect the Lightning to the existing AM-314 card. The four RJ-45 ports replace the existing four DB-9 ports. DWF-20753-xx Rear Panel, if the upgrade requires more long slots. See table on the previous page for rear panel part numbers and explanation of slot usage.
RJ-45 ports for <i>existing</i> Eagle 100 or 250 system that has DB-9 serial ports	2 A/R	UPG-00090-30 Lightning Upgrade, 4-port Order two 4-port upgrade kits. Each kit includes a Lightning board and a cable that connects the Lightning to the Eagle 100 or 250 motherboard. This converts a total of 8 ports. DWF-20753-03 Eagle 100 Rear Panel, if the upgrade requires more "Centronics cutouts" long slots. See table on previous page for explanation of cutouts.
RJ-45 ports for <i>existing</i> Eagle 100LC system (or its predecessor, the 4-port Eagle) that has DB-9 serial ports	1	UPG-00090-30 Lightning Upgrade, 4-port Order one 4-port upgrade kit. The kit includes a Lightning board and a cable that connects the Lightning to the Eagle 100LC motherboard. Existing rear panel is compatible with the upgrade.
RJ-45 ports for <i>existing</i> Eagle 300 or Eagle 500 system	A/R A/R	Order AM-314 or AM-318 Lightning upgrade kits as required. DWF-20753-02 Eagle 300/500 Rear Panel, if the upgrade requires more long slots. See table on the previous page for explanation of slots.

* A/R = As required.

Other Serial Port Upgrades

DWB-10120-01 DB-9 Cable Assembly, 4-port. Includes four DB-9F connectors and 40-conductor cable for connection to Eagle 450 motherboard or Eagle 100 motherboard.

DWF-20519-04 Adapter, SCSI Cutout to DB-9 Connector (for mounting DB-9 port connectors in Centronics-style cutouts in Eagle rear panel)

Miscellaneous Traditional Products

**Part
Number**

Description

Backup Media

PRA-00057-02	1/4" Tape Cartridge, DC6150-type (150MB capacity)
PRA-00057-03	1/4" Tape Cartridge, DC6250-type (250MB capacity)
VSO-3M525-00	1/4" Tape Cartridge, DC6525-type (525MB capacity)
PRA-00206-00	1/4" Tape Cartridge, DC9100/Magnus 1.0-type (1GB cap.)
PRA-00057-04	1/4" Tape Cartridge, DC9200/Magnus 2.0-type (2GB cap.)
PRA-00057-06	1/4" Tape Cartridge, 20/40GB SLR7
PRA-00057-07	1/4" Tape Cartridge, 30/60GB SLR60
PRA-00229-00	Dry Process Cleaning Cartridge, 5.25"
PRA-00184-00	DAT Cassette - 90 meter, 2.0GB
PRA-00185-00	DAT Cassette - 60 meter, 1.3GB

SCSI Expansion Chassis

PGB-00001-00	AM-901 SCSI. Requires PDB-01601-50 cable.
PDB-01601-50	50-Pin SCSI cable - 3 feet long (No charge when ordered with AM-901)

Intelligent Reboot Box

PDB-00931-00 Intelligent Reboot Box

NOTE: For details see Marketing Bulletin AMB2001-12, *Intelligent Reboot Box*, June 21, 2001

AM-931 Intelligent Reboot Box Accessories:

DWB-10317-25	Connector Adapter needed if using a COM port as a keep-alive port (Eagle 800, AM-8000 and later systems)
PDB-00931-50	Connector Adapter Kit, DB-9F to RJ-45 conversion (contains two DB-9M to RJ-45 adapters and 1 DB-9F connector)
PDB-00931-51	Connector Adapter Kit, DB-25F to RJ-45 conversion (contains two DB-25M to RJ-45 adapters and 1 DB-25F connector)
PDB-00931-52	Connector Adapter Kit, Remote Reset Adapter and DB-9M to RJ-45 converter

Purchase this kit when your system port 0 does not contain remote reset capability. Examples of this are:

- AM-6060 systems
- Any system which uses AM-90 Lightning Protection boards on port 0 – such as the Eagle 450
- Any system which uses the AM-318-00 board on port 0

Other Accessories:

PDB-10323-00 Remote Reset Adapter

NOTE: For details see Marketing Bulletin AMB98-23, *Remote Reset Adapter Available*, July 9, 1998

**Part
Number**

Description

Traditional Products Support Hardware

Memory Products

AM-1400/1600 Expansion Memory

(Remanufactured; offered subject to availability. 90-day warranty)

PDU-00714-02 Remanufactured 2 MB Memory Module - AM-1400/1600

Eagle 100, 100LC, 200, 300, 400, 500, and 550 Memory Options

(order one memory module)

PFU-00712-04 4MB Memory Module

PFU-00712-08 8MB Memory Module

PFB-00712-16 16MB Memory Module

PFB-00712-32 32MB Memory Module

AM-2000/3000 Memory Options

(Remanufactured; offered subject to availability. 90-day warranty)

PDU-00715-00 Remanufactured 4MB Memory, AM-2000

PDU-00721-00 Remanufactured 4MB Memory, AM-3000M/LC

PDU-00721-10 Remanufactured 16MB Memory, AM-3000M/LC

AM-4000 Memory Options

(Remanufactured; offered subject to availability. 90-day warranty)

PDU-00716-20 Remanufactured 16MB Memory Module - AM-4000

PDU-00716-30 Remanufactured 32MB Memory Module - AM-4000

PDU-00716-40 Remanufactured 64MB Memory Module - AM-4000

Roadrunner Memory Options

Order PFB-00712-xx or PFU-00712-xx memory for all Roadrunner 030 and 040 based systems.

PFU-00712-04 4MB Memory Module – 2K Refresh

PFU-00712-08 8MB Memory Module – 2K Refresh

PFB-00712-16 16MB Memory Module – 2K Refresh

PFB-00712-32 32MB Memory Module – 2K Refresh

PFB-00712-64 64MB Memory Module – 2K Refresh **(RR-040 only)**

Disk Drive Options

See “SCSI Disk Drives—Specifications,” for list of drives compatible with the various traditional system models. Contact Sales Order Administration for specific disk drive questions

See SCSI Disk Drive Price and Boot PROM sections. Note that any system shipped prior to June 1, 1994 requires new boot PROMs to use current SCSI-2 disk drives.

**Part
Number**

Description

System Backup Options

PDB-00212-05	1.4MB 3.5" Floppy Disk
PDB-00219-00	Floppy Disk Controller - Required for either floppy drive
PDB-00629-00	4/8GB SCSI 1/4" Cartridge Streamer Tape
PDB-00642-00	AM-642 SCSI to Pertec Converter.

NOTE: AM-649 DAT drives and AM-629 1/4" Tape Streamer are SCSI-2 devices. To install in an AM-1400/1600, the system must first be upgraded with an EGL-10000-XX Eagle 100 Upgrade Kit. See "System Upgrades" section of this price list.

PDB-00625-91	AM-625 Firmware Upgrade, SCSI-1
PDB-00626-90	AM-626 Firmware Upgrade, SCSI-2
PDB-00626-91	AM-626 Firmware Upgrade, SCSI-1

Disk and Tape Mounting Kit Options

PDB-00436-55	Classic Pedestal 1st & 2nd 5.25" SCSI disk mounting kit AM-2000M and AM-3000M/LC systems
PDB-00625-60	Rack Mount AM-625/626/627 mounting kit AM-2000/3000 rack mount systems with SCSI interface.
PDB-00625-61	Pedestal Mount AM-625/626/627 mounting kit all AM-2000M, AM-3000M/LC and VME pedestal systems with SCSI interface. (No front bezel included)

Wide SCSI Adapters and Cables (for SCSI-2 and later SCSI Bus Implementations)

PDB-00440-80	Cable, 50-pin Centronics to 68-pin External SCSI, 3 ft.
PDB-00440-81	Cable, 50-pin Centronics to 68-pin External SCSI, 6 ft.
PDB-00440-90	Wide SCSI Adapter, 68-pin Device to 50-Pin Narrow Bus

CD-ROM & DVD-RAM Products

PDB-00401-01	CD-ROM Subsystem, SCSI, External (115VAC only)
PDB-00401-51	CD-ROM Drive, SCSI, Internal
PDB-00402-51	CD-Recorder, SCSI, Internal
NOTE: The CD-Recorder requires following software, which is PIC-coded:	
PIC-04937-00	AlphaCD-WRITER 1.0 End User License
B0E-00403-51	DVD-RAM Drive, SCSI, Internal; with software PIC Encoded Software is included
B0E-00403-01	DVD-RAM Subsystem, SCSI, with media & software PIC Encoded Software is included. Order external cable separately
PIC-04967-00	Software only for DVD-RAM Drive End User License (Supply your own DVD-RAM Drive)

**NOTE: Prerequisite for the PDB-00402-51 CD-Recorder is a system with 68030 or faster CPU
Prerequisite for the B0E-00403-xx DVD-RAM is a SCSI-2 or better interface (SCSI dispatcher)**

Serial I/O Expansion Options

AM-1600LC and AM-1600M I/O Expansion

PDU-00314-01	Four (4) port serial I/O expansion card - remanufactured
--------------	--

Eagle 100, 200, 300, 400, and 500 Serial I/O Expansion

**Part
Number**

Description

PDU-00314-01 Four (4) port serial I/O expansion Card - remanufactured
PDB-00318-10 AM-318-10 Serial I/O Expansion Card; 8 RJ-45 ports.
Includes two AM-90 Lightning boards.

AM-2000/3000/4000 I/O and Communications Options

PDU-00355-01 6-port Serial I/O Module for AM-2000M, AM-3000M/LC,
AM-4000M and all VME system
PDB-00358-01 8-port Serial I/O Module for AM-2000M, AM-3000M/LC,
AM-4000M and all VME systems
PDB-00358-50 AM-318/358 6 foot extender cable for attachment to the
AM-318 or AM-358 serial I/O card. Appropriate 50-pin
hooded Telco connectors are provided on both ends.
PDB-00358-51 AM-318/358 4 foot octopus cable for attachment to the
AM-318 or AM-358 serial I/O card. Appropriate 50-pin
hooded Telco connector on one end. Eight DB-9 female
connectors on the other end.

AM-2000M, AM-3000M/LC, AM-4000, and all VME systems Serial I/O Expansion

PDB-00359-01 8-port Serial I/O Module. **Not opto-isolated.**
PDB-00359-00 8-port Serial I/O Module. **Includes opto-isolation.**

AM-318-10 and AM-359 Accessories

PDB-00359-50 Cable Set: RJ-45 to female DB-9 for AM-355 compatibility
(eight 4-foot cables per package)
PDB-00359-51 Cluster cable, 4-foot, for AM-358 compatibility. Cable
has RJ-21 female on one end; eight RJ-45 on other end.
PDB-00359-52 Cable Set consisting of one cluster cable, RJ-21 to six
RJ-45 (8-wire); and two RJ45 to DB-9F, 4-foot
PDB-00359-53 Cable Adapter, male DB-25, for modem (four per package)**
PDB-00359-54 Cable Adapter, male DB-25, for CRT or printer
(four per package)**
PDB-00359-55 Cable Adapter, female DB-9 to PC-AT (four per package)**
PDB-00359-56 Cable Set of four RJ-45 patch cords, 10-foot, straight
PDB-00359-60 Internal cable kit for configuring up to 12 AM-359 boards
on a paddle card bus. (Subject to availability of paddle
card mounting space.)
PDB-00905-30 I/O Expansion Chassis for up to 16 paddle cards
See "Expansion Chassis and Subsystems," below, for
product information.

* Discontinued when current stock is depleted. Thereafter, remanufactured units may sometimes be available.
Consult Order Administration for price and availability. Remanufactured products carry 90-day warranty only.

** RJ-45 modular adapters are for use with standard parallel RJ-45 patch cords.

Printer and Ethernet Controllers

<u>Part Number</u>	<u>Description</u>
PDB-00324-01	Parallel Printer Controller for AM-2000M, AM-3000M/LC, AM-4000M and all VME systems
PDU-00362-00	Ethernet paddlecard for AM-2000M, AM-3000M/LC and VME systems. <i>Not supported on the AM-4000 or Eagle 550.</i>
PDB-00362-50	Ethernet AUI Cable Kit. Extends the 15-pin Ethernet connector away from the system chassis, so the Ethernet transceiver does not have to hang directly on the cabinet.
PDB-00366-00	AM-366 Ethernet controller; for Eagle 100/100LC/200 only. Provides Thicknet/AUI/DB-15 Ethernet port.
PDB-00366-01	Thicknet Ethernet controller for AM-1600 systems
NOTE: For Ethernet on the AM-1600, use Ethernet Controller PDB-00366-01 only. For details see Marketing Bulletin AMB96-48, New Version of AM-366 Ethernet Controller, Dec. 9, 1996.	
PDB-00368-10	Internal MAU. Provides 10BaseT (twisted pair) Ethernet port for AM-366 Ethernet Controller.
NOTE: For details see Marketing Bulletin AMB98-14, New 10BaseT Ethernet Port Available, April 17, 1998.	
PDB-00362-50	Ethernet AUI Cable Kit 3-foot cable; for customer-furnished external MAU.

Forms

EAGLE 800 UPGRADE PROGRAM

Upgrade Registration Form

To obtain the product credit offered under the Eagle 800 trade-in program, you must return the designated parts from the system being replaced. Parts must be returned within 30 days after we ship the Eagle 800. All parts must be returned in working order. **Should you fail to return the designated parts within the 30 days, you will be invoiced for the trade-in credit that was issued when the order was entered as well as the AMOS Operating System that was transferred.**

Please register the ordered upgrade by providing the information requested below:

End User Name: _____
Address 1: _____
Address 2: _____
City, State, Zip: _____

Model and serial number
of CPU board being traded in: _____

Chassis serial number: _____

SSD number: _____

VAR Name: _____

VAR Number: _____

Principal Signature: _____

Title: _____

Print Name: _____

**Please FAX this form, with your Eagle 800 Upgrade order,
to Order Administration, FAX number (949) 250-5870**

EAGLE 800LC UPGRADE PROGRAM

Upgrade Registration Form

To qualify for an SSD Migration for an Eagle 800LC, you must return the original SSD from the system being replaced within 30 days after we ship the Eagle 800LC. The old SSD must be returned in working order. **Should you fail to return the SSD within the 30 days, you will be invoiced.**

Please register the ordered upgrade by providing the information requested below:

End User Name: _____

Address 1: _____

Address 2: _____

City, State, Zip: _____

Model and serial number
of CPU board being traded in: _____

Chassis serial number: _____

SSD number: _____

VAR Name: _____

VAR Number: _____

Principal Signature: _____

Title: _____

Print Name: _____

**Please FAX this form, with your Eagle 800LC Upgrade order,
to Order Administration, FAX number (949) 250-5870**

AM-8000 UPGRADE PROGRAM

Upgrade Registration Form

To obtain the product credit offered under the AM-8000 trade-in program, you must return the designated parts from the system being replaced. Parts must be returned within 30 days after we ship the AM-8000. All parts must be returned in working order. **Should you fail to return the designated parts within the 30 days, you will be invoiced for the trade-in credit that was issued when the order was entered as well as the AMOS Operating System that was transferred.**

Please register the ordered upgrade by providing the information requested below:

End User Name: _____
Address 1: _____
Address 2: _____
City, State, Zip: _____

Model and serial number
of CPU board being traded in: _____

Chassis serial number: _____

SSD number: _____

VAR Name: _____

VAR Number: _____

Principal Signature: _____

Title: _____

Print Name: _____

**Please FAX this form, with your AM-8000 Upgrade order,
to Order Administration, FAX number (949) 250-5870**

AM-7000 UPGRADE PROGRAM

Upgrade Registration Form

To obtain the product credit offered under the AM-7000 trade-in program, you must return the designated parts from the system being replaced. Parts must be returned within 30 days after we ship the AM-7000. The processor board must be returned in working order. **Should you fail to return the designated parts within the 30 days, you will be invoiced for the trade-in credit that was issued when the order was entered.**

Please register the ordered upgrade by providing the information requested below:

End User Name: _____
Address 1: _____
Address 2: _____
City, State, Zip: _____

Model and serial number
of CPU board being traded in: _____

System Chassis serial number: _____

SSD number: _____

VAR Name: _____

VAR Number: _____

Principal Signature: _____

Title: _____

Print Name: _____

**Please FAX this form, with your AM-7000 Upgrade order,
to Order Administration, FAX number (949) 250-5870**

Eagle 450 UPGRADE PROGRAM

Upgrade Registration Form

To obtain the product credit offered under the Eagle 450 trade-in program, you must return the designated parts from the system being replaced. Parts must be returned within 30 days after we ship the Eagle 450. The processor board must be returned in working order. **Should you fail to return the designated parts within the 30 days, you will be invoiced for the trade-in credit that was issued when the order was entered.**

Please register the ordered upgrade by providing the information requested below:

End User Name: _____

Address 1: _____

Address 2: _____

City, State, Zip: _____

Model and serial number
of CPU board being traded in: _____

System Chassis serial number: _____

SSD number: _____

VAR Name: _____

VAR Number: _____

Principal Signature: _____

Title: _____

Print Name: _____

**Please FAX this form, with your Eagle 450 Upgrade order,
to Order Administration, FAX number (949) 250-5870**

Eagle 250 / 250LC UPGRADE PROGRAM

Upgrade Registration Form

To obtain the product credit offered under the Eagle 250 or Eagle 250LC trade-in program, you must return the designated parts from the system being replaced/upgraded. Parts must be returned within 30 days after we ship the new product. The parts must be returned in working order. **Should you fail to return the designated parts within the 30 days, you will be additionally invoiced for the trade-in credit that was issued when the order was entered.**

Please register the ordered upgrade by providing the information requested below:

End User Name: _____
Address 1: _____
Address 2: _____
City, State, Zip: _____

Model and serial number
of CPU board being traded in: _____

System Chassis serial number: _____

SSD number: _____

VAR Name: _____

VAR Number: _____

Principal Signature: _____

Title: _____

Print Name: _____

Please FAX this form, with your Eagle 250 or Eagle 250LC Upgrade order, to Order Administration, FAX number (949) 250-5870

Alpha Microsystems

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AMOS Operating System Update

To (check one): AMOS 1.4E AMOS 2.3A
 AMOS 8.0

VAR Name _____ Dealer No. _____

Operating system currently being used _____

Version _____

End user name _____

Street address _____

City and State _____

→ Type of system _____

(Example: AM-1600, AM-2000M, AM2000/3000/4000 VME, Eagle 100, AM-8000)

→ Number of users for which the system currently has a paid license, to the best of your knowledge (**this is not necessarily the number of physical ports**) _____

→ SSD Chip Number _____

→ Chassis Serial Number _____

Sales Order Number _____ (if available)

Purchase Order Number _____ (if available)

Invoice Number _____ (if available)

→ *This arrow indicates very important information.*

This form must be filled out and sent to Alpha Microsystems, attention of your Order Administrator, or faxed to your Order Administrator at (949) 250-5870. Upon verification of your request against our records, we will issue a PIC at the appropriate level. If you have questions, please call your Order Administrator at (800) 289-2574.