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New AM-82™ Thin Client Introduced *Offers a Choice of LiTE™, ZTERM, and/or TrueGUI™*

Dear Alpha Micro VAR:

We are proud to introduce a new generation of Thin Client workstation, the AM-82. This exciting new series is based upon the Microsoft Windows XP Embedded® operating system, and contains a 1 GHz processor. It can be configured with a variety of options, including wireless network capabilities, different terminal emulations, and full *TrueGUI* capability.

The new ergonomic design together with the more powerful processor make the new AM-82 the ideal Thin Client appliance. As shown in the accompanying picture, the AM-82 is a sleek looking unit, packed with more processing power and expansion options than our earlier Thin Client offerings.

Windows XPE Brings Flexibility

Our previous AM-80 Thin Client was based on the Windows CE® operating system. That limited it to being able to use only ZTERM for terminal emulation. AlphaLAN users were out of luck. Because the AM-82 is based on Windows XP Embedded, it can be configured with AlphaLAN, ZTERM, PC Link, or a variety of other terminal emulation software packages.

More significantly, because Alpha Micro is a Windows XPE licensee, we have the ability to update, customize, and improve the AM-82's firmware in-house. We are no longer dependent upon others to modify the firmware for us. This means we can more promptly resolve problems and support custom situations



Three Models Available

The AM-82 is available in three basic units: one with no terminal emulator at all, intended for those VARs who wish to supply their own terminal emulation software; a second with U.A. Systems' LiTE; and a third with COOL.STF's ZTERM.

Optional *TrueGUI* Built-In

Imagine having a terminal solution that offers GUI. Your end users won't need full PCs to view your application in GUI mode. The AM-82 is up for the job: It can be ordered with *TrueGUI* built into the firmware! The *TrueGUI* option also includes additional flash memory capacity necessary to run *TrueGUI*. This unique functionality transforms the AM-82 into a new class of terminal known as a "Rich Client."

If your plans change, and you need GUI in the future, the *TrueGUI* option can be added to an existing unit in the field at a later date.

Faster Performance

The faster processor in the AM-82 results in noticeably faster screen response time than was available on the AM-80. This additional speed is also handy to support *TrueGUI* applications.

Optional Wireless Capability

One PCI expansion slot is built in to the AM-82, permitting a variety of options. To begin with, we are offering an optional 802.11g Wi-Fi interface card, for situations where the Thin Client needs to be located where conventional network cabling is unavailable.

More I/O Ports Standard

The AM-82 attaches to the AMOS[®] host system via a 10/100 network or via standard RS-232 cabling. It contains one serial port, one parallel port, and four USB 2.0 compatible ports, making it much more expandable and versatile than previous Thin Client models. A local printer can be attached via a USB, parallel, or serial connection. You can purchase the AM-82 as a standalone unit, or add standard accessories such as mouse, keyboard and flat panel monitor.

The AM-82 is most appropriately connected to an AMOS system via AlphaTCP[™]. It can also function as a Telnet client to other kinds of host systems, but can also be attached directly to a serial port on any AMOS system or terminal server, just as a terminal does.

Custom Firmware Development Services

Do you have a special situation that might benefit from having certain Windows program(s) built in to the firmware? Word processing, medical imaging, or the like? Give our Engineering Department a call. We are happy to quote on custom configurations of the AM-82 that meet your needs.

Benefits of a Thin Client

The AM-82 takes up far less desk space than a conventional PC, and virus susceptibility is minimized due to the configuration of Windows XPE and the inability of the end user to load programs locally from the desktop. This all adds up to a lower cost of ownership than having fully configured PCs at the desktop. Plus, it's ideal for end users who don't want their employees distracted by the temptations of a full PC environment.

In conjunction with today's low-cost DSL and cable modem Internet connections, the AM-82 is an ideal terminal for end users with remote sites. Save your clients money by replacing expensive, slow, and relatively unreliable multiplexors and analog phone lines with cheap and fast broadband connections. Need another terminal at a remote site? Just connect one more AM-82 to the hub! No more limitations on how many devices can be attached to serial ports on a multiplexor.

Unlike a terminal, an AM-82 station can be upgraded to a full PC location, using the same keyboard, monitor, and Ethernet cable used by the AM-82. Sell your clients on the "upgradability" of their investment in an AM-82 should their needs change.

As your installed base of ASCII terminals needs upgrading, or your customers need to add more users, the AM-82 is the perfect modern, flexible smart terminal solution. Particularly in combination with an attractive LCD flat screen, the AM-82 can rejuvenate the appearance of your AMOS sites and give your end users a refreshing view of your AMOS application solution.

Why not try out an AM-82, free of charge? Alpha Micro is offering **a two week Test Drive of the AM-82 at no cost to you** other than shipping charges to and from our factory. Give our Order Administration desk a call to reserve your trial unit so that you can see for yourself the power and flexibility of the AM-82.

AM-82 Thin Client Specifications

Processor

- VIA C3 1 GHz

Memory

- 512 MB, expandable to 1 GB flash memory
- 256 MB DDR SDRAM, expandable up to 1 GB

Display Interface

- 1 standard VGA monitor port
- 64 bit 2D/3D graphic engine and video accelerator
- display 1280 x 1024 @ 32 bit

Networking

- Ethernet (802.3), TCP/IP
- 10/100 Base T Ethernet, twisted pair (RJ45)
- Wireless option, 802.11g

I/O Connectors

- 1 parallel port DB25F, SPP/EPP/ECP mode
- 1 serial port DB9M
- 2 PS/2 ports for keyboard and mouse
- 4 USB v 2.0 ports
- 1 PCI Expansion slot (for internal modem, wireless interface, etc.)
- Audio AC97 sound system support

Physical

- Dimensions: 12.8" high x 3.5" wide x 10.6" deep (with stand)
- Weight: 3.75 lbs

Power

- External auto-switching
- Input: AC 100V-140V and 200V-260V, 45-65 Hz
- Output: DC 12V at 40 watts

Software

- Microsoft Windows XP Embedded
- Microsoft Internet Explorer 6.0
- Microsoft RDP and Citrix ICA protocol compliant
- Standard Terminal Emulation (COOL.STF's ZTERM and UA Systems' LiTE models available)
- FTP firmware update utility