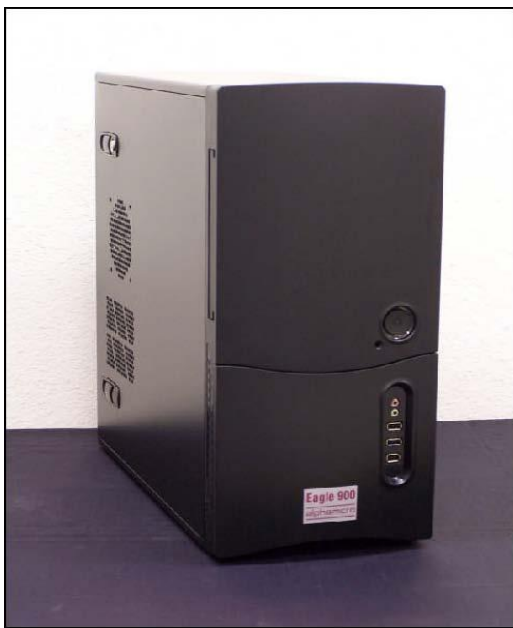




SUPPLIER OF THE NEW

EAGLE 900 APPLICATIONS SERVER



The Eagle 900 brings to Alpha Micro platform users a new level of price / performance, based on technology first developed for the high end of our product line. Incorporating our sophisticated new Archimedes Cacheacceleration software for disk drives, the Eagle 900 leapfrogs the performance of predecessor systems. You'll find improved connectivity and power to meet the needs of diverse processing workloads in networked, multi-vendor environments. You'll find a modular design that equips this server to grow as your business grows, with upgradability to our high-end systems. And you'll find a home for familiar, proven Alpha Micro software.

Technology — The Eagle 900 employs a high-speed AMD Athlon II X3 microprocessor. This central processing architecture, combined with Gigabit Ethernet and a SATA 6.0 Gbit/s disk interface and disk drive, provides the most powerful midrange AMOS-based business computer system ever assembled. The innovative architecture retains application software compatibility with earlier Alpha Micro computers: most any application running under AMOS 2.3A or later will run on the Eagle 900 without modification.

Versatility — The Eagle 900's modular, yet compact design sets a new standard of performance for AMOS-based business computer systems. Using industry-standard hardware in conjunction with an Alpha Micro I/O controller, the system provides growth potential in all areas, with easy

field expansion of memory, disk, tape, and I/O port capability. Backups are more convenient than ever, with your choice of DVD, Blu-ray, removable hot-swap hard drives, and the familiar cartridge tape. The underlying Microsoft Windows Embedded Standard 7 software provides a new level of integration of AMOS multi-user software with Windows software, printers, and networking functions, while retaining AMOS' proud tradition of immunity to viruses, spyware, and worms.

Networking — The Eagle 900 incorporates an integrated Gigabit Ethernet controller. The included AlphaTCP TCP/IP network software suite provides a virus-immune solution for Telnet, E-mail, FTP, printer, and web services. The *TrueGUI* screen system provides the capability to put a Windows appearance on your AMOS applications. Data interchange with PCs and other systems is supported via ODBC or raw TCP sockets.

Performance — The advanced central processing, Archimedes disk caching, and memory architecture of the Eagle 900 moves data far faster than any previous midrange AMOS system. Overall system operation is up to *thirty-eight times faster* than the predecessor Eagle 800 Series I, and *even greater* orders of magnitude faster than earlier 68000 family Alpha Micro midrange servers. To gain *still better* performance, the included LightningBASIC runtime system can execute your AlphaBASIC software many more times faster than standard AlphaBASIC, by converting .RUN files to native processor object code before execution. RAID fault-tolerant disk subsystems and redundant power supplies are available as options for environments where uptime is critical.

Compatibility — Since 1977, Alpha Micro servers have been delivering compatibility with performance. Your existing investments in software run on the technology of today — with growth paths to tomorrow.

To learn more about the Eagle 900, please call Park Computer Systems or Alpha Microsystems' Marketing Department.

alpha micro

CPU Platform

- ☑AMD Athlon II X3 microprocessor
- ☑Integrated Gigabit Ethernet controller
- ☑SATA 6.0Gb/s disk controller with 6 ports available for disk drive connections
- ☑Additional SATA 3.0Gb/s disk controller with 2 ports available for peripherals
- ☑UDMA-66 / 100 / 133 Bus Master IDE interface
- ☑One serial port, DB-9M with full modem control
- ☑Two USB 3.0-compliant ports
- ☑Four USB 2.0-compliant ports
- ☑Integrated VGA controller

Input/Output: Standard

- ☑Four additional serial ports, RJ-45 with full modem control, for a total of five serial ports
- ☑Six plug-in expansion connectors (1 PCI, 2 PCIe x16, and 3 PCIe x1) for additional I/O expansion and/or SCSI capability

Memory

- ☑Up to 4 GB DDR3-1333 SDRAM DIMMs, 2 GB standard

Peripheral Storage

- ☑Nine internal device bays, including four 5.25" front accessible bays
- ☑One 640GB or larger state-of-the-art SATA 3.0 disk drive
- ☑DVD-RAM drive standard, including MAKBD backup software. Blu-ray drive optional.
- ☑Optional internal or external RAID disk array

Console

- ☑Keyboard and mouse
- ☑17" flat screen LCD display (optional)

Input/Output Expansion

- ☑Serial, internal — Maximum of 29 serial I/O ports, RJ-45 and DB-9M connector style (Five standard)
- ☑Additional ports can be added via USB interface and network connections, either by PC network connections, thin client, or terminal servers.

Backup Options

- ☑DVD-RAM drive standard
- ☑Optional Blu-ray disc, removable SATA hot-swap drive tray, and/or cartridge streaming tape drive

Size and Power Requirements

- ☑Deskside Mini-chassis *Width* – 8.1" (20.6cm) *Depth* – 18.25" (46.4cm) *Height* – 18.1" (46.0cm) *Weight* – 35 lbs. (15.9kg) in typical configurations
- ☑Power – 115VAC @ 5 amps or 230VAC @ 2.5 amps

Operating Environment

- ☑Temperature – 60F to 90F (15C to 32C), 10C/hr maximum fluctuation
- ☑Humidity – 20% to 80% humidity
- ☑EMI – Meets U.S. FCC rules and regulations, Class B

Standard Software

- ☑Operating Systems – AMOS multi-user, multi-tasking server OS; Windows Embedded Standard 7 provides underlying GUI and cache services
- ☑Archimedes Cache Technology – configurable disk cache
- ☑Networking – AlphaTCP for TCP/IP connectivity, including Telnet, E-mail, Web, printing, & FTP services; AlphaNET local area network
- ☑Backup and Recovery – Acronis True Image 2011
- ☑Software Development Environments – AlphaBASIC and AlphaBASIC Plus language processors; Assembler and Linker; FIX interactive debugger; ISAM and ISAM Plus file management

Software Available Separately

- ☑Language and Development Tools – LightningBASIC, GNU C, AlphaFORTRAN 77, ESP; TrueGUI, inSight/am and AlphaDDE Windows environment managers; Metropolis DBMS
- ☑Applications – Industry-specific application software is available through Value Added Resellers for numerous types of businesses and professions
- ☑General Office – Compatible with traditional Alpha Micro applications including AlphaMAIL electronic mail, Scheduler appointment manager, Filer simple database manager

Networking and Communications Options

- ☑PC Connectivity – AlphaLAN for terminal emulation via Telnet, serial, and AlphaNET connections; LPR/LPD protocol for remote printing
- ☑AlphaODBC – Allows database-enabled applications on PCs to access AMOS data residing on the Eagle 900. Most any kind of AMOS file system (ISAM, ISAM Plus, Random, Sequential, Metropolis) is supported.
- ☑AlphaFAX – Adds faxing ability to existing AMOS applications; supports multiple fax modems on host system, with automatic load balancing; configurable for speed, priority, and other faxing options
- ☑Modem Communications – VersiCOMM Plus asynchronous modem communications software, supporting remote system access, file transfers, and scripting

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Contents subject to change without notice. Alpha Micro, Alpha Microsystems, AMOS, Eagle 900, Eagle 800, Archimedes Cache, AlphaBASIC, AlphaBASIC Plus, LightningBASIC, AlphaLAN, AlphaTCP, AlphaFORTRAN 77, TrueGUI, AlphaDDE, AlphaMAIL, AlphaODBC, and insight/AM are trademarks of Alpha Microsystems. Athlon is a registered trademark of Advanced Micro Devices, Inc. Windows Embedded is a registered trademark of Microsoft Corp. All other product and brand names are trademarks and registered trademarks of their respective owners. Copyright 2011, Alpha Microsystems, Inc. All rights reserved. Printed in the United States of America (8/2011). ZKX-00560-04

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