

**Alpha Warehouse Miner package
for SAS Enterprise Miner**

**The next generation of 64-bit DIGITAL UNIX performance
for Business Intelligence**

From banking and financial services to retail operations dramatic change is the norm. From increased competition to mergers and consolidation to global expansion, the demands on decision makers are overwhelming. Without accurate and timely information the race is lost before it is run. That's why Compaq and the SAS Institute have joined forces to develop the ultimate data-mining solutions — Alpha Warehouse Miner systems running DIGITAL UNIX® from Compaq.



As costs increase and budgets are tighter, the impact of bad decisions is compounded. Companies have vast amounts of data that must reach the right people — in an intelligible format — before it is too late. Increasingly, these organizations are turning to SAS Institute and Compaq to meet these challenges.

Fully tested and pre-packaged, the Alpha Warehouse Miner systems combine 64-bit speed, power, memory, and storage capabilities with the comprehensive range of features and ease-of-use of SAS Enterprise Miner™ software.

SAS Enterprise Miner software is the first data-mining product to offer a common environment for its primary users — business analysts, quantitative gurus, and IT professionals — and is the first to address the entire data-mining process within one automated solution.

Benefits

- 64-bit Alpha technology with VLM (Very Large Memory) capabilities enables fast processing of large amounts of data
- Factory integration creates a system that arrives at your site ready to load and run SAS Enterprise Miner software, thus significantly cutting deployment time
- This cost-effective package is orderable with a single part number and delivers all the high-performance software and hardware you require for advanced data mining.

Intelligence runs in the family

The SAS Enterprise Miner Data Mining Solutions are the latest additions to Compaq's family of Business Intelligence solutions and are a perfect match for members of the Alpha Warehouse ONE family of 1 TB data warehousing solutions.

The Alpha Warehouse Miner AlphaServer™ 4100 DIGITAL UNIX configuration represents the mid-range offering with storage capacity ranging from 100 to 218 GB.

The Alpha Warehouse Miner AlphaServer GS140 DIGITAL UNIX configuration represents the high-end offering in the Alpha Warehouse family with storage capacity ranging from 1 to 1.4 TB of usable RAID 5 storage.

Very Large Memory

AlphaServer systems use VLM (Very Large Memory) technology enabling gigabytes of data to be stored in memory for fast retrieval, eliminating disk I/O and optimizing memory pathways.

In fact, data held in RAM can be accessed up to 1200 times faster than if read from disk. Tests have shown that data-mining analyses conducted on 64-bit DIGITAL UNIX finish 12 times faster than those run in the 32-bit environment.

This power and speed of the 64-bit hardware and software environment make it ideal for exploring terabytes of data in the largest and most complex data-mining applications.

Pre-packaged SAS Enterprise Miner Data Mining Solutions

Alpha Warehouse Miner AlphaServer 4100	Alpha Warehouse Miner AlphaServer GS140
<ul style="list-style-type: none"> • Pedestal enclosure • Two 600 MHz 64-bit Alpha processors upgradeable to four processors • 4 GB of memory upgradeable to 8 GB • Three-channel UltraSCSI RAID adapter • 100 GB RAID disk storage (expandable to a maximum of 218 GB) • Optional tabletop DLT • 12/24 GB DAT drive • CD-ROM drive on internal SCSI bus • S3 TRIO graphic controller with 1 MB RAM • 17-inch color monitor, mouse, and keyboard • 10/100 Mbit Ethernet controller • Three PCI slots available • 64-bit DIGITAL UNIX license • DIGITAL UNIX LSM and AdvFS software license • All necessary cables • System integration and test 	<ul style="list-style-type: none"> • Two rackmount enclosures • One processor module with two Alpha 21264 6/525 CPUs • 4 GB memory • Six additional slots available for memory and CPU options • Redundant HSZ70 UltraSCSI RAID controllers • 1 TB RAID 5 and RAID 0 disk storage (expandable to 1.4 TB usable RAID 5 storage without additional cabinets) • TL891 10-slot DLT library • CD-ROM drive • VT510 console and keyboard • 10/100 Mbit Ethernet controller • Five PCI slots available • 64-bit DIGITAL UNIX license • DIGITAL UNIX LSM and AdvFS software license • All necessary cables • System integration and test

In the event that your requirements exceed the capacity of the standard pre-packaged offerings shown here, CustomSystems can create custom configurations including high-availability clusters to support complex implementations.

Factory integration

Each platform is integrated at our ISO 9001 facility and contains the 64-bit processor, operating system, memory, high-performance storage, networking gear, and every cable and connector needed to tie it all together.

In addition, the disk configuration is fully factory implemented and pre-configured for optimal installation of SAS Enterprise Miner software.

When it arrives at your site the Alpha Warehouse Miner system is ready to run and load SAS Enterprise Miner software. Installation services are also available.

Smooth implementation

To ensure that Alpha Warehouse Miner fits smoothly into your environment, consultants from Compaq's Advanced Data Mining Center in Austin, Texas, and the SAS Institute can work with you to design and deploy a totally integrated data-mining solution.

Service and support

Compaq can also provide a wide range of services and on-site support to ensure very high availability for your mission-critical systems and applications.

For more information

To learn how you can put the unmatched capabilities of the Alpha Warehouse Miner solution to work for you, contact your Compaq account representative or send e-mail to customsystems@digital.com

Visit us on the web at www.compaq.com/customsystems

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