

Introduction to Ordering Hardware

System sales of HP e3000 servers ended on October 31, 2003. This information is provided for ongoing reference use while the 3000/MPE installed base steadily transitions to other computing platforms.

To provide assistance and flexibility that customers may require in these efforts, limited software and add-on hardware products remain available from HP through October 31, 2004. Full information on the HP e3000 transition program is available at www.hp.com/go/evolve.

HP e3000 Servers are ordered using a menu process. Ordering products from the menu, along with their specified options, will ensure that the system components are integrated into a System Processing Unit (SPU) at the factory. The SPU and/or external peripherals can be integrated into 1.25-, 1.6- or in some cases 1.96-meter high cabinets at the factory.

The MPE/iX operating system, distribution media, pre-loading of software and documentation media are ordered in separate sections later in the system menus. All other HP software products are listed in the Software sections of this guide.

HP e3000 A- and N-Class Servers have the “right-to-use” license and the “number-of-users” license bundled into the server product number. All HP e3000 A- and N-Class Servers have an unlimited user license level bundled with the server so there is no need to order a “number-of-users” option as with previous HP e3000 Servers. Also bundled into the HP e3000 A- and N-Class Server product number is the IMAGE/SQL database. The ALLBASE/SQL database can be purchased as an additional tier based software product.

Ordering Systems

Warranty

Hewlett-Packard offers a one-year warranty with the HP e3000 Servers. The System Support Options Program offered with the system menus will upgrade the response time during the warranty period. Information about this program, as well as other HP support services, is located in the Support sections of this guide.

The standard new warranty for the HP e3000 A- and N-Class Servers in the United States includes a next-day, Monday through Friday, on-site response for the SPU. This is different than the standard new warranty that used to be sold with the HP e3000 9x8, 9x9KS and 997 Servers in the United States, which included a 4-hour, Monday through Friday, on-site response for the SPU.

Warranty response times may be different in other countries, depending upon local market needs.

Warranty response times for standalone peripherals may differ from the SPU.

Memory Modules

- Higher density memory modules allow more room for higher system memory capacity and/or future expansion. However, spreading memory out among more memory slots can usually maximize performance.
- Most memory modules used in the A-Class (except for the 128-MB module), N-Class, and the older 9x8 and 9x9KS Servers use two DIMM/SIMM slots and comprises two DIMM/SIMM cards.

Internal Disk Drives and Software Preloading

- Refer to the Ordering and Configuration Guide diagrams for maximum disk capacity.
- Generally, several lower capacity disk drives will yield better system performance than a few large capacity disk drives. Large capacity disk drives typically offer lower cost per MB and higher total internal SPU capacities.
- Software can be preloaded on a disk drive called LDEV1. MPE/iX will limit the amount of useable disk space on LDEV1, the system disk, to 4 GB. The physical LDEV1 disk may be larger than 4 GB, but only the first 4 GB will be used. Therefore, if an internal disk drive is to be used as LDEV1, it may be appropriate to limit to the smallest disk drive that can be ordered.
- For HP e3000 A- and N-Class Servers, no internal disk drives are required. However, if software is expected to be preloaded, either an internal disk drive or and external disk drive (excluding XPxxx disk arrays) must be ordered in the same order section.
- Refer to **Chapter 2** for more information on internal disk drives and to **Chapter 4** for information on external disk drives.

Removable Media Drives

- Digital Data Storage Digital Audio Tape (DDS DAT) is the highest density backup media.
- HP e3000 A- and N-Class Servers do not include any form of internal DDS tape drive. It is recommended that either an external DDS-3 or DDS-2 tape drive be ordered or the customer provide an external DDS-3 or DDS-2 tape drive to provide for loading of MPE/iX software media.
- HP e3000 9x8 and 9x9KS Servers would have been shipped with a required internal DDS tape drive. It is required that a minimum of one external DDS drive must be ordered for HP e3000 A- and N-Class Servers.
- Data compression can increase the amount of data stored on a single DDS DAT cartridge. The actual capacity of data stored will vary depending on the characteristics of the data.
- Data compression will reduce backup time. It can also reduce or eliminate the need to change tapes during a back up.
- DVD drives can be ordered as integrated removable media drives on A-Class and N-Class Servers for reading software support CD-ROM media. When a DVD drive is included, HP e3000 Servers still must have at least one tape drive for initial distribution and installation of software.
- Refer to **Chapter 4** for information on external removable media drives.

I/O and Networking Cards

- Several popular I/O and Networking Cards can be ordered from the server menus.
- Additional I/O cards and DTCs are listed in **Chapter 4**. Additional networking cards are listed in **Chapter 8**.
- See the *HP e3000 Business Servers Configuration Guide* for possible configuration constraints.

Ordering Cabinets

The Factory-integrated Cabinet Menu is located at the front of **Subchapter 4.4**. Field-integrated cabinets and accessories are located in **Chapter 4**.

Ordering Factory-integrated Cabinets

1. To order the factory-integrated cabinet with a new system, order the factory-integrated cabinet in the same order section as the system being ordered.
2. Using the Factory-integrated Cabinet Menu in **Subchapter 4.4**, order the desired cabinet and factory-integrated peripherals.
3. For maximum flexibility, additional peripherals and accessories can be ordered from **Chapter 4**. These products are typically not factory-integrated and may require installation at the customer's site.
4. To determine EIA sizing, UPS and electrical cabinet loading, complete the integrated cabinet worksheet in the *HP e3000 Business Servers Configuration Guide*.
5. Using the worksheet totals, determine the number of cabinets and UPSs required.
Note: Only one server, one UPS and their related peripherals can be factory integrated in each cabinet.
6. Verify that each cabinet will accommodate all of its selected peripherals. *Note: When ordering multiple cabinets, place each cabinet, along with its selected peripherals, on a separate section of the order. This indicates to the factory which servers and peripherals should be integrated into which cabinets.*
7. HP e3000 N-Class Servers require a depth extension kit for the cabinet that the HP e3000 N-Class will be racked in.

Ordering Field-integrated Cabinets

1. Select the desired cabinet peripherals from **Chapter 4**. See **Chapter 4** of the *HP e3000 Business Servers Configuration Guide* for information on cabinet-supported, field-integrated peripherals.
2. To determine EIA sizing, UPS and electrical cabinet loading, complete the field-integrated cabinet worksheet in the *HP e3000 Business Servers Configuration Guide*.
3. Using the worksheet totals, determine the number of cabinets and UPSs required.
Note: Only one UPS is supported in each field-integrated cabinet.
4. Select the 1.6- or 1.25-meter cabinets as well as accessories and cables from **Chapter 4**. Filler panels are recommended for each EIA unit not used by a peripheral device.
5. Using the worksheet totals, determine the number of cabinets and UPSs required.
Note: Only one UPS, and its related peripherals are supported in each field-integrated cabinet.
6. Verify that each cabinet will accommodate all of its selected peripherals.
7. HP e3000 N-Class Servers require a depth extension kit for the cabinet that the HP e3000 N-Class will be racked in.
8. Make arrangements for HP or customer installation.

