

## Subchapter 4.5—Disks

### Disks

#### Description

Disks provide high-capacity, non-volatile, fast-access mass storage for programs and data for the system. Hewlett-Packard offers 9-GB and 18-GB disk drives both embedded in many of the HP e3000 Servers and external to the HP e3000 Servers via the use of a storage enclosure. The HP e3000 Series 9x9 also offers a 36-GB embedded disk. The following table reviews the specifications of the latest disk drives.

**Table 4.5.1 Disk Drive Specifications**

	<b>9 GB Single Ended</b>	<b>9 GB Fast/Wide</b>	<b>18 GB Single Ended</b>	<b>18 GB Fast/Wide</b>
<b>Formatted Capacity</b>	9.1 GB	9.1 GB	18.2 GB	18.2 GB
<b>Interface</b>	Single Ended SCSI	Fast/Wide SCSI	Single Ended SCSI	Fast/Wide SCSI
<b>Average Random Seek</b>	8.5 ms	8.5 ms	8.5 ms	8.5 ms
<b>Device Latency</b>	4.17 ms	4.17 ms	4.17 ms	4.17 ms
<b>RPM</b>	7200 RPM	7200 RPM	7200 RPM	7200 RPM
<b>Drive Burst Transfer Rate</b>	10-15.5 MB/s	10-15.5 MB/s	10-15.5 MB/s	10-15.5 MB/s
<b>MPE/iX Release Support (See Section Below)</b>	MPE 5.5 Exp 3 or later	MPE 5.5 Exp 3 or later	MPE 5.5 Exp 5 or later	MPE 5.5 Exp 5 or later
<b>(Boot, root, dump, swap) Support on Server</b>	Yes	Yes	Yes	Yes
<b>Number of devices per adapter card 28642A (Maximum)</b>	7 (5 recommended)	N/A	7 (5 recommended)	N/A
<b>Number of devices per adapter card 28696A (Maximum)</b>	N/A	15 (10 recommended)	N/A	15 (10 recommended)

#### Embedded Disks

**Table 4.5.2** lists the product numbers for the current embedded disks along with the supported current systems.

**Table 4.5.2 Embedded Disks**

<b>Product Number</b>	<b>Description</b>	<b>Supported Current Systems</b>
A5544A	9-GB Single-ended Disk	HP e3000 Server – 9x8
A5545A	18-GB Single-ended Disk	HP e3000 Server – 9x8
A3629A	9-GB Fast/Wide Disk	HP e3000 Server – 9x9
A4909A	18-GB Fast/Wide Disk	HP e3000 Server – 9x9
A5529A	36-GB Fast/Wide Disk	HP e3000 Server – 9x9