DIGITAL Enterprise Integration Package OpenVMS AlphaServer 4000/4100 HiTest Suite

V-2.0—3 December 1997

DIGITAL Systems and Options Catalog

Product Description

Configuration Menu should be used with DIGITAL Enterprise Integration Package OpenVMS AlphaServer 4x00 DIGITAL HiTest Notes available at http://cosmo.tay.dec.com and select CONFIG on the content button tool bar and http://www.partner.digital.com:9003/cgi/comet. For a hardcopy of this Suite’s Notes order EK-HEIVA-HN.

DIGITAL HiTest Suites are guidelines for configuring a set of prequalified computer systems. A DIGITAL HiTest Suite often contains all the hardware and software needed for a complete customer solution. DIGITAL HiTest Suites can be used as a basis for configuring systems that satisfy a wide set of customer requirements. Typically, Suites target specific markets such as Data Warehousing or organizations with OpenVMS DIGITAL Enterprise Integration Package servers for medium- to high-end workgroups.

DIGITAL Product Management and Engineering select the components and design the HiTest configurations to ensure high system reliability, application performance, and upgradability. Hardware and software components have been successfully tested for interoperability and other attributes.

A DIGITAL HiTest Suite specifies allowed ranges of hardware and software components, as well as each component’s part number, description, and revision information. These specifications are listed in the DIGITAL HiTest Template, which consists of three categories.

- **AppSet Software** – Includes software specific to one class of customer solutions, in this case organizations with OpenVMS DIGITAL Enterprise Integration Package servers for medium- to high-end workgroups.

- **Foundation Hardware** – Includes the base system, storage, and other hardware options.

- **Foundation Software** – Includes the operating system, middleware, and database software.

When ordering an item from a DIGITAL HiTest Template, select a quantity that is within the minimum and maximum range for the item. If the minimum quantity is zero (0), the component is optional. If the minimum quantity is one or more, order at least the minimum quantity, do not exceed the maximum quantity. The maximum quantity represents the greatest number of components that were tested for interoperability and other attributes with all the other components in the Suite.

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Step 1—AlphaServer 4100/4000 Systems

Configuration menus require selection of AlphaServer System Drawer and Pedestal Enclosure.

Step 1a—AlphaServer System Drawer

Select one AlphaServer 4000 or 4100 System Drawer.

**System Drawer includes**

- **AlphaServer 4100 System Drawer** with
  - Alpha microprocessor 21164 5/466 MHz CPU, 4 MB secondary cache
  - Eight PCI slots (five available)
  - 450 Watt auto sensing power supply
  - Memory (included memory uses one memory slot)
  - Ethernet (10/100 Mbit) Controller (uses one PCI slot)
  - One-port Fast Wide Single-Ended (FWSE) SCSI Controller (uses one PCI slot)
  - S3 TRIO 1 MB RAM Graphics Adapter (uses one PCI slot)
  - 3-button Mouse
  - Keyboard (Americas and AP orders only). Select country specific keyboard for all systems ordered in Europe.
  - Integral Remote System Console
  - Operating System license
  - Customer documentation
  - Hardware Warranty*
  - Software Warranty*

- **AlphaServer 4000 System Drawer** with
  - Alpha microprocessor 21164 5/466 MHz CPU, 4 MB secondary cache
  - Eight PCI slots (five available), or 13 PCI slots available with PCI slot expansion option installed
  - Integral FNSE (internal-only SCSI bus) to support removable media (CD-ROMs and tapes)
  - Integral CD-ROM drive (standard)
  - 1.44 MB Diskette Drive (standard)
  - Two EIA-232 asynchronous serial ports, 9-pin D-subminiature connectors
  - One parallel port, 25-pin D-subminiature connectors
  - Keyboard and mouse ports
  - 450 Watt auto sensing power supply
  - Memory (included memory uses one memory slot)
  - Ethernet (10/100 Mbit) Controller (uses one PCI slot)
  - One-port Fast Wide Single-Ended (FWSE) SCSI Controller (uses one PCI slot)
  - S3 TRIO 1 MB RAM Graphics Adapter (uses one PCI slot)
  - 3-button Mouse
  - Keyboard (Americas and AP orders only). Select country specific keyboard for all systems ordered in Europe.
  - Integral Remote System Console
  - Operating System license
  - Customer documentation
  - Hardware Warranty*
  - Software Warranty*

* For Warranty description and available service upgrades; see Hardware and Software Warranty and Supplemental Services Section.

**AlphaServer OpenVMS System Drawers**

- Systems include pre-installed OpenVMS, Base license, and DIGITAL Enterprise Integration Package (EIP). EIP includes: OpenVMS Management Station, DECamds, Archive Backup System for OMT, Archive Backup Agent for NT, Datametrics ViewPoint Data Collector, Datametrics ViewPoint Management Console, eXcursion, ISG/Navigator ODBC & OLE DB Server, ISG/Navigator ODBC & OLE DB Client, Internet Product Suite, Pathworks V5.0 Lan Manager, Pathworks32, Team Links Mail Windows, MAPI Driver for All-In-1, DECwindows Motif, DECprint Supervisor, DEC TCP/IP, DECnet.

- Order media and documentation separately.

**AlphaServer 4100 OpenVMS System Drawer**

<table>
<thead>
<tr>
<th>Order Number</th>
<th>CPU</th>
<th>Cache</th>
<th>Memory</th>
<th>Available Slots</th>
</tr>
</thead>
<tbody>
<tr>
<td>DY-51JAB-GB</td>
<td>5/466</td>
<td>4 MB</td>
<td>2 GB</td>
<td>5 PCI</td>
</tr>
</tbody>
</table>

**AlphaServer 4000 OpenVMS System Drawer**

<table>
<thead>
<tr>
<th>Order Number</th>
<th>CPU</th>
<th>Cache</th>
<th>Memory</th>
<th>Available Slots</th>
</tr>
</thead>
<tbody>
<tr>
<td>DA-53JEB-GA</td>
<td>5/466</td>
<td>4 MB</td>
<td>2 GB</td>
<td>5 PCI</td>
</tr>
</tbody>
</table>

Step 1b—Pedestal Enclosure

Select one Pedestal enclosure.

- Pedestal Enclosure supports **one** System Drawer and up to three StorageWorks shelves.
- Pedestal Enclosure includes StorageWorks Shelf and one 4.3 GB hard disk drive.

BA30P-AB       120 V Americas AP
BA30P-BB       220 V Europe; order two country-specific power cords.
Step 2—Qualified DIGITAL HiTest Hardware Components

Additional CPU Modules (SMP Upgrades)
- This HiTest Suite supports a maximum of two CPU modules per System Drawer. Limit applies to AlphaServer 4000 and AlphaServer 4100 systems.
- All SMP upgrades include processor module with Alpha microprocessor SMP license, and end-user product warranty.
- Order one additional CPU Module.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>KN304-DC</td>
<td>OpenVMS SMP Upgrade includes one 5/466 (4 MB) CPU and OpenVMS SMP license</td>
</tr>
</tbody>
</table>

Memory
System Drawers include one memory option.
- This HiTest Suite supports a maximum of 4 GB memory per System Drawer
- Order additional memory modules, not to exceed HiTest Suite limit of 4 GB

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS330-FA</td>
<td>1 GB memory option</td>
</tr>
<tr>
<td>MS330-GA</td>
<td>2 GB memory options</td>
</tr>
</tbody>
</table>

Internal Storage
- Pedestal enclosure includes one 4.3 GB 7200 RPM 16-bit wide disk drive
- This HiTest Suite supports three additional SCSI disk drives

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DS-RZ1CB-VW</td>
<td>4.3 GB 7200 RPM UltraSCSI Disk</td>
</tr>
</tbody>
</table>

External Storage—CI Cluster Connection
- This HiTest Suite supports CI Cluster Connection for External Storage options.
- Maximum of two PCI to CI Adapters can be used to implement CI Cluster Connection.
- Order up to two adapters and four CI cables.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIPCA-BA</td>
<td>PCI to CI Adapter</td>
</tr>
<tr>
<td>BNCIA-20</td>
<td>CI Cables conforming to customer needs (maximum of four)</td>
</tr>
</tbody>
</table>

Removable Media
Order one tape loader. Tape Loader is supported by a KZPDA-AA PCI one port Fast Narrow Single-Ended SCSI controller.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TLZ9L-VA</td>
<td>32-64 GB 4 mm DAT 5.25-inch SCSI tape drive loader in StorageWorks carrier</td>
</tr>
</tbody>
</table>

Networks and Communications Controllers
- Systems include DE500-AA PCI 10/100-Mbit Ethernet controller (uses one PCI slot).
- This HiTest Suite supports maximum one additional PCI Fast Ethernet controller and two optional PCI/FDDI Network Adapters.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DE500-AA</td>
<td>PCI 10/100-Mbit Fast Ethernet Controller</td>
</tr>
<tr>
<td>DEFPA-DB</td>
<td>PCI/FDDI Network Adapter</td>
</tr>
</tbody>
</table>
Step 2—Qualified DIGITAL HiTest Hardware Components (continued)

Monitors
- Systems include PCI-based graphics (uses one PCI slot).
- OpenVMS console functions, including the RAID Configuration Utility (RCU), can be performed using a standard video terminal (VT2xx, VT3xx, VT4xx, or VT5xx) connected to one of system serial ports.
- Graphics monitor is optional.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Viewable Image Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>SN-VRCX5-W*</td>
<td>15” (13.9” viewable image size) high resolution color monitor (Corporate Series)</td>
<td></td>
</tr>
<tr>
<td>SN-VRCX7-W*</td>
<td>17” (16.0” viewable image size) high resolution color monitor (Corporate Series)</td>
<td></td>
</tr>
<tr>
<td>SN-VRTX7-W*</td>
<td>17” (16.0” viewable image size) high resolution color monitor (Professional Series), Trinitron</td>
<td></td>
</tr>
<tr>
<td>SN-VRCX1-W*</td>
<td>21” (19.7” viewable image size) high resolution color monitor (Professional Series), Diamondtron</td>
<td></td>
</tr>
</tbody>
</table>

* WA=Northern Hemisphere with 120V power cord, W3=Northern Hemisphere without power cord, W4=Southern Hemisphere without power cord.

System Management Console
- System Management Console allows System Drawers to be controlled from a single terminal, keyboard and mouse.
- System Management Console is optional and includes a quantity of one of each of the following components:

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FR-A75WW-BE</td>
<td>Pentium 166 MHz, 16 MB, 2 GB EIDE, Windows NT</td>
</tr>
<tr>
<td>FR-PCCAM-BA</td>
<td>17-inch Monitor</td>
</tr>
<tr>
<td>FR-PCXRN-AF</td>
<td>8X CD-ROM Drive</td>
</tr>
<tr>
<td>FR-DE450-CA</td>
<td>PCI Ethernet Adapter</td>
</tr>
</tbody>
</table>

System Management Console can support a maximum of two memory upgrades.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FR-PCCAM-BA</td>
<td>8 MB Memory SIMMs</td>
</tr>
</tbody>
</table>

System Management Console Software is OpenVMS Management Tools, Version 2.0. Software is included as Factory Installed Software on the AlphaServer 4100/4000 system.

Software

OpenVMS
- OpenVMS V7.1 is included as Factory Installed Software on AlphaServer systems. OpenVMS is pre-installed.
- Media and documentation is recommended for first system on site.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>QA-MTIAA-H8</td>
<td>OpenVMS Media and documentation on CD-ROM</td>
</tr>
<tr>
<td>QL-MUZAC-AA</td>
<td>OpenVMS Cluster Software License</td>
</tr>
</tbody>
</table>

Layered Products
Layered Products must be installed, order Layered Products CD-ROM.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>QA-03XAA-H8</td>
<td>Layered Products CD-ROM</td>
</tr>
</tbody>
</table>
Step 2—Qualified DIGITAL HiTest Hardware Components (continued)

AppSet Software

AppSet software for this HiTest Suite is DIGITAL Enterprise Integration Package. DIGITAL Enterprise Integration Package is included as Factory Installed Software (FIS) on base system.

- DIGITAL Enterprise Integration Package are included
  - Management
  - Network Transport and Connectivity
  - File and Print
  - Internet
  - Presentation

DIGITAL Enterprise Integration Package software includes three applications from third-party software suppliers.

- After DIGITAL Enterprise Integration Package software is installed, user must obtain software licenses for these three applications.
  - Netscape Communications Server License, available from DIGITAL (QL-57BA9-AA)
  - Purveyor Encrypted Server License, available from DIGITAL
    QL-57GA9-AA (US and Canada)
    QL-57HA9-AA (International)
  - Datametrics Viewpoint License, available from Datametrics at 1-888-436-6300