digital™

Subsystem Product Description

PRODUCT NAME: Enterprise Storage Array Subsystem Description

EK-ESASP-PD. B01

DESCRIPTION

Enterprise Storage Arrays (ESA) are fully integrated disk array solutions for use with varied applications across the enterprise. ESA solutions are pre-configured into three base models, each of which is optimized for different application workload requirements. The models include the Model-C which is ideal for heavy transaction oriented applications such as SAP/R3 or most office automation applications; the Model M that is suited best for a mix of applications such as transaction processing, decision support, and data warehousing; and the Model L that is optimized for very heavy bandwidth-intensive decision support applications

ESA offer RAID levels 0, 0+1, 3 and 5, capacities ranging from 155GB at the entry-level up to 10TB at the high-end, and the highest availability with fully redundant components including power supplies and fans. The ESA solutions architecture incorporates the latest in StorageWorks RAID controller technology as well as the StorageWorks Command Console, an easy to use centralized configuration and management tool; consult the StorageWorks Command Console Version 1.1b, SPD order number AE-R29MA-TE for further details.

ESA are designed for ease of use. Coupled with the robust array management functionality, Digital provides expanded service and support with each solution as a standard offering for the first 12 months of ownership. This service and support includes installation, 10 hours of RAID configuration set-up, 24X7 hardware and software support, 40 hours of RAID performance consultation, and software updates.

Standard Software

- StorageWorks Command Console V1.1b

- HSOF software V5.1

StorageWorks Command Console V1.1b

Each Enterprise Storage Array ships from the factory with StorageWorks Command Console V1.1b. StorageWorks Command Console is a full-featured multi-platform configuration and monitoring tool. It not only allows relatively simple configuration (and re-configuration) of the storage array, but also provides at-a-glance summary status through a user-friendly graphical interface. Monitoring can take place on a networked host and supports industry standard protocols such as the Simple Network Management Protocol (SNMP). In addition, enhanced security and protection capabilities are built-in. StorageWorks Command Console's extensibility is virtually limitless as it can manage multiple arrays across the enterprise. For more detailed information on this product refer to the SPD order number AE-R29MA-TE.

HSOF software V5.1

The HSZ50 Array Controller Operating Software is the software component of the HSZ50-Ax array controller. This array controller is an intelligent mass storage controller that interfaces between host computer systems and the ESA. HSOF executes in the HSZ50 array controller; it processes SCSI I/O requests from hosts, performing the device-level operations required to satisfy the requests. Consult the HSZ50 Array Controller Operating Software (HSOF), Version 5.1 SPD order # AE-QYUSB-TE for further details.

Software MDDS for one year from Purchase

- StorageWorks Command Console QT-5H0AA-XA
- HSOF QT-5CZAA-XB

HARDWARE REQUIREMENTS

- KZPSA-BB PCI-Host Bus Adapter (FWD) is required for Digital Unix
- SWSAP-BC or X1062 host adapter is required for Sun Solaris
- HP4107 host adapter is required for HP-UX on system 700s
- SWHAP-BC or HP28696 or HP2696 host adapter is required for HP-UX on system 800s
- FC2416 or FC2412 or FC2409 host adapter is required for IBM AIX

An Intel based Windows NT 3.51 or 4.0 or Windows 95 PC is required for installation of the StorageWorks Command Console client software. Specific PC minimum requirements are contained in the SPD for StorageWorks Command Console.

OPTIONAL HARDWARE

None

HARDWARE SUPPORT

ESA supports disk devices only. Refer to the HSZ50 Array Controller Operating Software (HSOF), Version 5.1 SPD for supported disk devices.

ESA when connected to non-Digital platforms, i.e. Sun, HP, or IBM, one dual redundant controller pair only per host port is supported.

SOFTWARE REQUIREMENTS

- Digital Unix 3.2c,3.2d,3.2g,4.0
- Windows NT 3.51 and 4.0
- Digital OpenVMS Alpha 6.2 and 7.0
- Sun Solaris 2.4,2.5, and 2.5.1
- HP-UX 10.01 and 10.10 for both 700 and 800 systems
- IBM AIX 4.1.4 and 4.2

SOFTWARE RESTRICTIONS

None

HARDWARE WARRANTY

ESA Hardware components come with one year 24x7 on-site hardware support. Additional return to factory warranty after year one includes 4 years for disk devices; 2 years for controllers, adapters, cabinets, and AC/DC power supplies. These warranties are honored worldwide and can be further enhanced with Digital's responsive supplemental service offerings.

SOFTWARE WARRANTY

ESA Software components come with one year 24x7 telephone support. Additionally, a one-year software update service that includes media and documentation is standard.

These warranties are honored worldwide and can be further enhanced with Digital's responsive supplemental service offerings.

DISTRIBUTION MEDIA

HSOF V5.1 software is shipped pre-installed. StorageWorks Command Console is shipped via CD-ROM and contains:

- Command Console Client
- Command Console Agent
- Release Notes
- Context sensitive user documentation

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