

zDASD

The
Solution
is simple.™

3990 Controller for Open-Systems Disks

zDASD is the latest innovation from Bus-Tech to help you manage your constantly growing storage requirements; directly attaching the latest generations of open-systems disks (including serial ATA) to your z/Series or compatible mainframe.

Today's mainframe installations have a variety of data storage retrieval requirements ranging from immediate, to intermediate, to long-term. Bus-Tech's zDASD controller provides a cost-effective storage alternative for data with intermediate retrieval requirements which may include compressed data, daily or weekly disk-to-disk backups, large infrequently accessed databases, archived report data, and more. Intermediate data has historically been stored on either high-performance DASD or automatic tape libraries depending on the specific retrieval requirements of the data.

zDASD provides a new class of storage specifically for data with intermediate storage / retrieval characteristics. zDASD provides a low-cost alternative to today's high-end mainframe DASD subsystems and a higher-performance alternative to automated tape libraries and older generation RAMAC arrays.



The zDASD controller is a System/390 input/output controller providing FiCON or ESCON attachment to the mainframe and Gigabit Ethernet, Fibre Channel, or Ultra320 SCSI connection

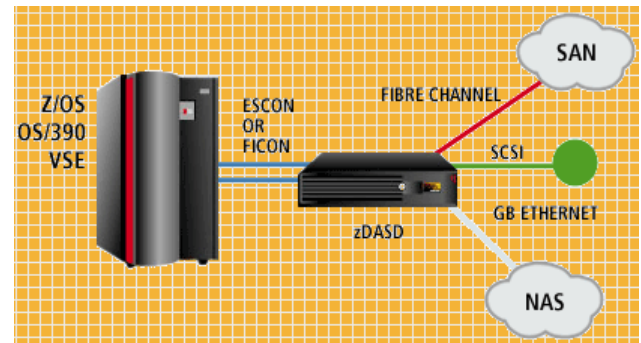
to open-system storage devices. The zDASD controller emulates up to 128 IBM 3390 data volumes including models 3, 9, or 27. Each channel interface can be configured with up to 64 3390 devices. Devices from different channel interfaces can then be directed to the same 3390 volume to provide alternate path capability.

Open-Systems Disk Storage

Industry standard disk systems, including the latest serial ATA-based RAID systems, can be connected to zDASD via Ultra320 SCSI, Fibre Channel (SAN), or Gigabit Ethernet and used to store 3390 data volumes. zDASD has been certified as IBM TotalStorage Proven when connecting to IBM FASTt Storage Server or IBM TotalStorage NAS products. Data is stored preserving the original format used by the hosting VSE, OS/390, z/OS, VM, or Linux operating system running on the z/Series processor making the open-systems storage transparent to the mainframe.

Rack-Mounted, Redundant Platform

The zDASD controller is delivered in a 2U (3.5 inch high) rack mounted platform built for high availability. zDASD includes redundant, load-sharing 500 Watt Power Supplies, auto-adjust, hot-swappable fans, and mirrored system boot disks to provide the highest possible mean time between failure (MTBF).



zDASD offers a cost-effective solution for managing the ever increasing volumes of data being generated by today's e-business applications by allowing the re-purposing of open-systems disk capacity.

HIGHLIGHTS

- Available with FiCON or ESCON channel interfaces; support for both multi-mode and single-mode FiCON fiber cabling
- Provided in a highly-available 2U rack mounted platform including a standard low-voltage, high-density Ultra320 SCSI port and two (2) Gigabit Ethernet Ports
- Optional, dual 1 Gbit copper or 2 Gbit fiber cable Fibre Channel interfaces for connectivity to point-to-point, arbitrated loop, or SAN fabrics.
- Emulates up to 128 3390 mod 3, 9, or 27 data volumes and 64 devices per channel; providing alternate path support.
- Guaranteed channel compatibility to IBM mainframe FiCON/ESCON channels via licensed IBM channel technologies.
- IBM TotalStorage Proven with IBM FASTt Storage Server and TotalStorage NAS Devices

SPECIFICATIONS

zDASD

Physical Attributes

Rack Mount	Mounts into an EIA Standard 310-D rack
Dimensions	3.5”H (2U) x 16.93”W x 25.51”L
Power Supply	Dual hot-swappable 500W 1 + 0 PFC
Voltage	6.7 Amp at 115v

Certifications

Emissions	FCC, Part 24, Class A, ICES-003 Class A, CISPR 22, Class A, EN55022, Class A, EN55024 & EN61000-3-2 & 3-3 (complies with 89/336/ECC), VCCI, Class A, RRL, MIC 1997-41 & 1997-42, AS/NZS 3548 (Based on CISPR 22), GOST 29216-91 & 50628-95 and CNS13438, Class A
Safety	UL1950 CSA – 60950 (UL & cUL), EN60950 (complies with 72/23/EEC), IEC60950 (CB Report & Certificate), NEMKO / EMKO – TSE (74-SEC) 207/94, IRAM and GOST R 50377-92

Operating Environment

Temperature	
Operating	+10 ⁰ C to +35 ⁰ C
Storage	-40 ⁰ C to +70 ⁰ C
Humidity (Non-operating)	95% non-condensing at 35 ⁰ C

System/390 Environments Supported

IBM	All Versions of z/OS OS/390 version 2.4 and above VSE version x.x and above VM version x.x and above
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Ports

Channel (2)	FiCON multi-mode or single-mode Fiber ESCON
Fibre Channel (max 2)	2 Gbit Fiber, multi-mode 1 Gbit Copper
Ultra 320/LVD SCSI	High-density 68 Pin (female)
Ethernet	Dual 10/100/1000 Mbit/sec. Cat 5

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