

zDASD

The innovative zDASD controller from Bus-Tech helps you manage constantly growing storage requirements by directly attaching the latest 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 alternative for storing data with intermediate retrieval requirements, including compressed data; daily or weekly disk-to-disk backups; large, infrequently accessed databases; and archived report data. Intermediate data has historically been stored on either high-performance DASD or automatic tape libraries depending on the specific retrieval requirements of the data. The zDASD provides a new class of storage specifically for data with intermediate storage and retrieval characteristics. The 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.

FICON / ESCON Director Enabled

zDASD includes support for Multiple-Image Facility and can connect directly to the mainframe channel or to a FICON or ESCON Director. Cascaded FICON directors are supported.

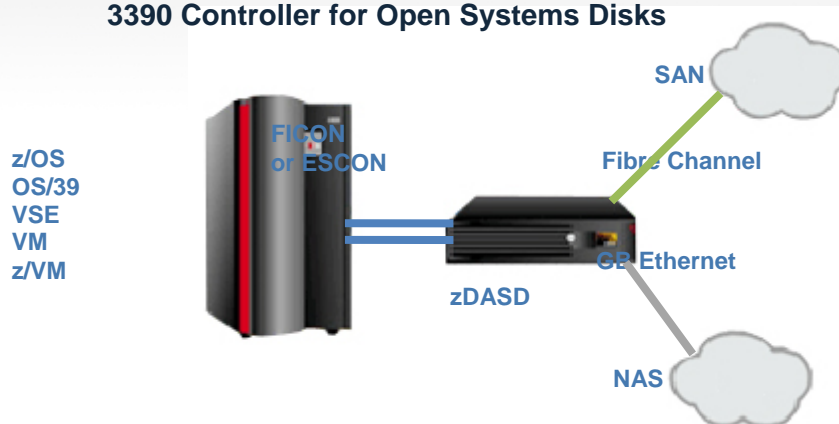
The zDASD controller is a System/390 input/output controller providing FICON or ESCON attachment to the mainframe and Gigabit Ethernet or Fibre Channel connection to open-system storage devices. The zDASD controller emulates up to 512 IBM 3390 data volumes, including models 3, 9, 27, and 54. Each channel interface can be configured with up to 256 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 the zDASD via Fibre Channel (SAN) or Gigabit Ethernet and used to store 3390 data volumes. Data is stored preserving the original format used by the hosting VSE, OS/390, z/OS, or VM operating system

running on the z/Series processor, making the open-systems storage transparent to the mainframe.

3390 Controller for Open Systems Disks



Rack-Mounted, Redundant Platform

The zDASD controller is delivered in a 2U (3.5 inch high) rack-mounted platform engineered for high availability. The zDASD includes redundant, load-sharing 750 watt power supplies; auto-adjust; hot-swappable fans; and mirrored system boot disks to provide the highest possible mean time between failure (MTBF). The zDASD offers a cost-effective solution for managing the enormous volumes of data being generated by today's e-business applications by allowing the re-purposing of open-systems disk capacity.

Product 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 two (2) Gigabit Ethernet Ports
- Optional, dual 4 Gbit fiber cable Fibre Channel interfaces for connectivity to point-to-point, arbitrated loop, or SAN fabrics
- Emulates up to 512 3390 mod 3, 9, 27, or 54 data volumes and 256 devices per channel, providing alternate path support
- Guaranteed channel compatibility to IBM mainframe FiCON/ESCON channels via licensed IBM channel technologies

Physical Attributes

Rack-mount
Dimensions

Mounts into an EIA Standard 310-D rack
3.45" (87.5mm) H (2U) x 16.93" (430mm)
W x 26.46" (672mm) D

Power Supply

Dual hot-swappable 750W 1 + 0

PFC

Voltage

1.7A @240 Volts (374 Watts)

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

Safety

Operating Environment

Temperature

Operating +10°C to +35°C

Non-Operating

- 40°C to + 70°C

Humidity (Non-operating)

90% non-condensing at 28°C

System/390 Environments Supported

IBM

All Versions of z/OS, OS/390 version 2.4 and above, VSE, VM /ESA and z/VM

Ports

Channel (2)

Min (Max) / Type

FiCON multi-mode or single-mode
Fiber ESCON

Fibre Channel (max 2 ports)

4 Gbit Fiber, multi-mode

Ethernet

Dual 10/100/1000 Mbit/sec. Cat 6