

Flash NXRZ-FL SCSI Drive

Drive Mechanism

Solid State Drive
with integrated Flash NAND chips

Ultra SCSI Interface

50-pin Ultra SCSI
68-pin Ultra SCSI 160
80-pin Ultra SCSI 320

Capacities

100 MB to 128 GB

Compatibility

Cross-platform device, including:
OS: OpenVMS*, AIX, Sun, Windows
HW: VAX, Alpha, HP, IBM, Sun

Dimensions

L:14.6 cm, W:10.1 cm, H:2.5 cm

Maximum Shock

Operating: 1500 Gs for 0.5ms
Nonoperating: 350 Gs for 2ms

Ambient Temperature

Operating: 0° - 70°C
Non operating: -55° - 125°C

Warranty

3 year warranty
Return to factory, parts and labor
Extendable to 10 years total

The Flash NXRZ-FL SCSI Drive completely raises the bar by offering a rugged, fast Solid State NAND chip solution to the legacy server world.



Solid State Ruggedness and Reliability

The NXRZ-FL drive is ideal for applications that require operations in challenging physical environments. Without moving parts, the NXRZ-FL is almost 5 times more shock resistant than a standard mechanical drive. It can also operate in higher temperatures and uses less energy than a standard mechanical drive.

Designed to Fit YOUR Form and Function

Out of the box, the NXRZ-FL SCSI Drive supports three SCSI interfaces: 50-pin, 68-pin, and 80-pin Ultra SCSI interfaces. However, we can fit the drive with any SCSI I, II, or III connector. In addition, we can provide a bare drive, or build it with an enclosure of your specification. We customize accordingly, whether you run VAX, AlphaServer, Integrity, IBM, SUN, or X86 servers.

Configured for Maximum Compatibility

In addition to being compatible with any current SCSI-based system that supports SCSI I, II, III, and Ultra SCSI, the drive provides extraordinary, on-firmware support for legacy End of Life (EOL) systems. For example, we support DEC VAX servers running versions of OpenVMS as early as 5.5-2H4. Furthermore, we can configure the formatted size of the drive to fit the maximum addressable drive capacity supported by your operating system.

Built to Extend the Life of Your Hardware Investment

The NXRZ drive series is at the forefront of our core mission: to extend and maximize the performance of your legacy systems. The NXRZ-FL SCSI Drive relies on state-of-the-art, 5 volt technology that consumes far less energy than ageing 12 volt drives. With the proper SCSI controllers and SCSI interface, NXRZ drives can achieve over 260% better data throughput than the original legacy drives.

* The Standard NXRZ SCSI Drive is compatible with OpenVMS 5.5-2H4 and up.

Real-World Performance

	DEC 7200 RPM	DEC 10k RPM	NXRZ-XL	NXRZ-FL
Backup 8 GB File in OpenVMS	1.2 Hours	0.8 Hours	0.38 Hours	0.35 Hours
% Faster than DEC 7200 HD	0%	+50%	+243%	+260%

Features

Sequential Read / Write	175 MB per second / 100 MB per second
Mean Time Before Failure (MTBF)	> 1,500,000 Hours
Data Retention	> 5 years at 25°C

Interface

	Ultra SCSI	Ultra SCSI 160	Ultra SCSI 320
Max Data Transfer	20 MB/s	160 MB/s	320 MB/s
Connector Type	50-pin	68-pin	80-pin SCA2
Built-in Flash ROM	Yes	Yes	Yes
Selectable SCSI IDs	0-7	0-15	0-15

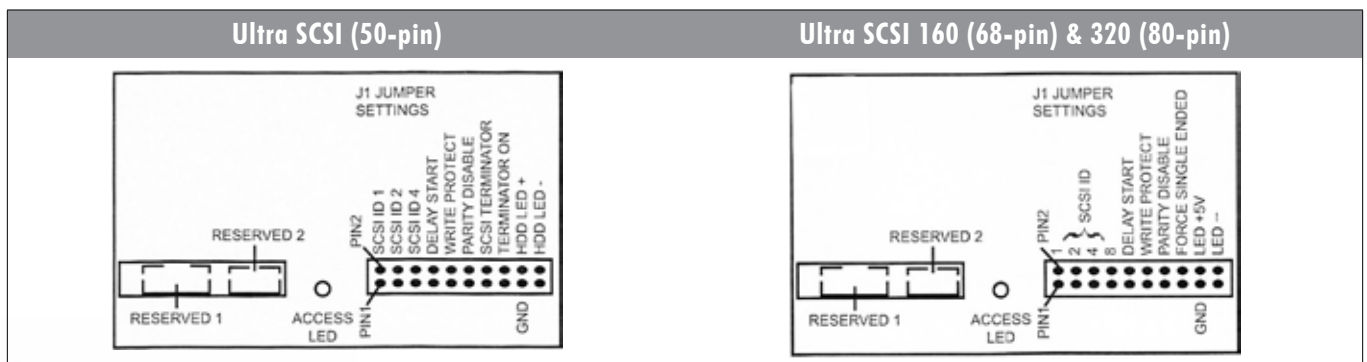
Reliability

Data Retention	> 5 Years at 25°C
Data Reliability	Built in BCH 12-bit ECC
Mean Time Between Failure	> 1,500,000 Hours

Power Requirements

5V Start Max	Power Consumption	Operating Voltage
1.0A	280 mA ~ 330 mA	5V

SCSI Termination



This device may be self-installed, installed with KSI phone support, or installed by your service provider with KSI phone support. KSI offers 9-5 installation and warranty support during the 3-year warranty period, via phone.

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