

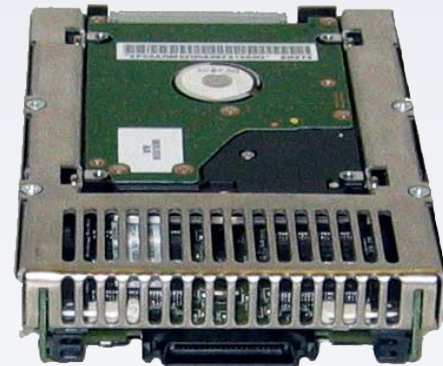
OEM Solid State Acceleration Engine

Unleash the power of database and e-business servers with the Nitro!FC solid state disk from Curtis. Using ultra-high integration technology, Curtis designed the Nitro!FC as an OEM solid state storage solution for I/O-intensive servers.

A truly **plug and play** solution, the Nitro!Xe solid state disk replaces slow mechanical SCA SCSI drives, accelerating database and e-business applications.

Innovative packaging and a custom ASIC design creates the Nitro!Xe in a standard 1.0/1.6" SCA drive footprint. Add the Nitro!Xe to your database or e-business servers and experience an I/O bandwidth transformation.

Call **800-245-3171** today for consultation on your application.



Accelerated Storage Technology from Curtis

Specifications

Description

- 3.5" half height Solid State Disk
- Interface Ultra2SCSI
- Connector 80 pin SCA2

Models and Capacities

- NXe-SCA10-1GB 1GB
- NXe-SCA10-2GB 2GB
- NXe-SCA16-2GB 2GB
- NXe-SCA16-4GB 4GB
- NXe-SCA16-6GB 6GB
- NXe-SCA16-8GB 8GB

Physical Specifications

- Height 1.0"/1.6"(25.4/40.6mm)
- Width 4.0" (101.6mm)
- Depth 5.75"(146mm)
- Weight 2 lbs

Reliability

- MTBF >1,000,000 Hours
- Integrated ECC Memories 72bit (64Data/8ECC) modified Hamming Code meets/surpasses server memory requirements

High Performance

- Access Time 60uS
- IO (transactions/sec) >10000
- Interface Transfer Rate 80MB/sec
- Data Transfer Rate (sustained) 68MB/sec

Data Retention & Power Management

- Integrated Li-Ion Battery and Charger
- Minimum 2 Hour Data Retention in battery backup mode
- Optional internal mechanical disk backup available

Environmental Characteristics

- Operating Temperature 5 to 45°C
- Non-Condensing Humidity 10 to 90%
- Altitude 10000 ft.

Power Requirements

- +5VDC
 - 0.6A Normal Operation
 - 1.4A Peak during system initialization
- +12VDC
 - 0.7A (Battery Charging Circuit)

Product Matrix

Model Number	NXe SCA10 1GB	NXe SCA10 2GB	NXe SCA16 1GB	NXe SCA16 2GB	NXe SCA16 4GB	NXe SCA16 6GB	NXe SCA16 8GB
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General Specifications

Capacity	1GByte	2GByte	1GByte	2GByte	4GByte	6GByte	8GByte
Form Factor	3.5"	3.5"	3.5"	3.5"	3.5"	3.5"	3.5"
Height	1.0"	1.0"	1.6"	1.6"	1.6"	1.6"	1.6"
Interface	Ultra2LVD UltraSE	Ultra2LVD UltraSE	Ultra2LVD UltraSE	Ultra2LVD UltraSE	Ultra2LVD UltraSE	Ultra2LVD UltraSE	Ultra2LVD UltraSE
Connector	SCA-2 80 Pin	SCA-2 80 Pin	SCA-2 80 Pin	SCA-2 80 Pin	SCA-2 80 Pin	SCA-2 80 Pin	SCA-2 80 Pin

Performance Specifications

Access Time	<60usecs	<60usecs	<60usecs	<60usecs	<60usecs	<60usecs	<60usecs
Transfer Rate(Burst)	80MB/sec	80MB/sec	80MB/sec	80MB/sec	80MB/sec	80MB/sec	80MB/sec
Transfer Rate(Sustained)	>68MB/sec	>68MB/sec	>68MB/sec	>68MB/sec	>68MB/sec	>68MB/sec	>68MB/sec

Environmental Specifications

Operating Temperature	5 to 45° C	5 to 45° C	5 to 45° C	5 to 45° C	5 to 45° C	5 to 45° C	5 to 45° C
Humidity(non-condensing)	10 to 90%	10 to 90%	10 to 90%	10 to 90%	10 to 90%	10 to 90%	10 to 90%

Data Retention Mechanism

Lithium Ion Battery Pack	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Embedded Magnetic Disk	Optional	Optional	Optional	Optional	Optional	Optional	N/A

Power Requirements

+5 Volts Typ. (max)	600ma (1.4A)	600ma (1.4A)	600ma (1.4A)	600ma (1.4A)	600ma (1.4A)	600ma (1.4A)	600ma (1.4A)
+12 Volts Typ. (max)	50mA (500mA)	50mA (500mA)	50mA (500mA)	50mA (500mA)	50mA (500mA)	50mA (500mA)	50mA (500mA)

Looking for a special OEM custom configurations? Curtis can provide it...Just call us!