



## Features

- 16 GB to 500 GB of non-volatile Flash memory in a 3.5" form factor
- SLC or MLC flash technology
- **Sanitize** – Optional - Compliance to NISTSP800-88, NSA-CSS 9-12, DoD 5220.22-M / NISPOM. 60 sec entire media (typical) capacity dependant
- High data transfer rate: Up to 320MB/Sec Burst R/W, 60MB/Sec Sustained Read/ Write
- Operating temperature – Commercial 0°C to +70°C and Industrial up to -40°C to +85°C
- Storage temperature -55°C to +95°C
- Humidity 5 to 95% relative, non-condensing
- Altitude (operating & non-operating) 0 to 80,000 feet
- Latency - Less than 100 µsec
- Reliability - MTBF - 2,000,000 hours MIL-HDBK271F
  - Embedded EDC/ECC, based on 48-bit Reed Solomon Algorithm
  - Built-in power-up self test
  - Manual and automatic self-diagnostics
  - Bad Block Mapping out algorithms
  - Dynamic wear leveling
- Up to 7 W power dissipation (depending on capacity)
- 3,000,000 Write/Erase cycles; Read unlimited
- ANSI SCSI-2, SCSI-3 and SCSI320 Standard Protocols
- Interface – P68 & Power combo connector. Optional: 50 Pin SCSI connector
- No special drivers - uses existing Windows, Linux, VxWorks®, and SCSI drivers
- Long term product lifecycle support
- Conformal coating – **optional** compliance to Space, Military and Medical applications
- SSD unit MIL-STD 810F Compliant
  - Shock - Half Sine, 50G, 11ms; Half Sine, 1500G, 0.5ms
  - Vibration - 16.3G RMS (Random, 20Hz to 2000 Hz, 3 vibrations axes)
- Warranty - 1 Year

The AS-SCSI320 is a top reliable high performance mass storage Solid-State Disk with no moving parts, ideal to meet the reliability requirements of the military and aerospace, video and audio servers, as well as broadcasting systems. The AS-SCSI320 is designed to withstand extreme shocks, vibrations and harsh environmental conditions while operating without compromising on data integrity.

### Physical dimensions:

146.1 L X 101.5 W X 25 \*H mm

\*H - High is specified as max value

### Ordering Information P/N AS-SCSI320-[cap] [t] [f] [m]

P/N	Cap-	t	f	c	m
AS-SCSI320	0016	16 GB	C	0°C to 70°C	S SLC Flash
	0030	30 GB	Z	-40°C to 85°C	M MLC Flash
	0060	60 GB			
	0120	120 GB			
	0240	*240 GB			
	0500	*500 GB			

#### Additional Options:

- Customization available

\* MLC only

### Ordering Example:

AS-SCSI320-0120-CFS is an SLC Flash 120 GB SCSI320, operating at 0°C to 70°C with conformal coating.