

3.5", SCSI320 Flash Disk Module

AS-SCSI320

Product Overview

The Photon series AS-SCS1320 is 3.5" SCS1320

interface Flash Disk. Asine AS-SCS1320 a flash drive delivers performance and proven reliability for data and mission critical systems. Added benefits of flexibility are built into Asine's SCSI storage systems, including easy expandable storage capacity as flash disk capacities increase. The AS-SCS1320 supports OEM application specific features such as LVDS signaling, conformal coating, self termination, TERM Power and more.

The AS-SCSI320 carries 1 year warranty.





Applications

- Solid State storage JBOD NAS SAN
- Avionics and airborne systems
- Navigation systems
- Telecommunications switches
- Data acquisition systems
- Shipboard fire control systems
- Mission-critical applications
- Field instrumentation



Features

- 16 GB to 500 GB of non-volatile Flash memory in a 3.5" forum 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	С	m
AS-SCS1320 Aditional Options:	0016	16 GB	С	0°C to 70°C	F Conformal	- NA	S SLC Flash
	0030 0060	30 GB 60 GB	Z	–40°C to 85°C	Coating		M MLC Flash
	0120	120 GB					
	0240	*240 GB					
	0500	*500 GB		Ordering Example:			
 Customization available 		* MLC only		AS-SCSI320-0120-CFS is an SLC Flash 120 GB SCSI320, operating at 0°C to 70°C with conformal coating.			