The Photon series AS-SCSI320 is 3.5” SCSI320 interface Flash Disk. Asine AS-SCSI320 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-SCSI320 supports OEM application specific features such as LVDS signaling, conformal coating, self termination, TERM Power, and more.

The AS-SCSI320 carries a 1 year warranty.

Applications

- Industrial & Commercial PC / Tablet Systems
- JBOD, NAS, SAN, RAID
- Data warhouse
- Security, HLS - Home Land Security
- ATM, Gaming, Lottery
- Automotive, Navigation, Infotainment, ECU
- Point Of Sale - POS / Kiosk, Smart Terminals
- Medical
- Industrial & Airborne Systems
- Rugged Computer
- High-Speed Data Recording
- Video Surveillance, JPEG2000 Capture
- Factory Automation
### 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 dependent
- **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 -40°C to +85°C (no start at -40°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

### Ordering Information:

**P/N** AS-SCSI320-[cap] [t] [f] [m]

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<th>P/N</th>
<th>Capacity</th>
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**Additional Option:**
- **Customization available**

**Ordering Example:**

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

The information contained in this document is subject to change without notice.

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**Physical dimensions:**

146.1 L X 101.5 W X 25 *H mm

*H - High is specified as max value