

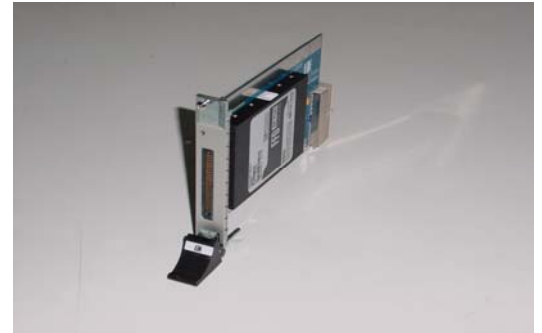
CompactPCI 3U Fast Flash Disk Module

AScPCI635

Product Overview

The AScPCI635 PATA Fast Flash Disk based on *Photon series* utilizing single-slot 3U compactPCI slot.

The fast Flash Disk can be accessed by PATA interface via front panel 44 pin connector. Asine *Photon series* storage systems deliver performance and proven reliability for data and mission critical systems. Added benefits of flexibility are built into Asine storage systems carries support for secure erase and expandable storage capacity as flash disk capacities increase. The AScPCI635 supports OEM application specific features such conformal coating (option F), PATA Master/Slave setup and more. In addition to world wide support the AScPCI635 carries a 1 year warranty.



Applications

- Military & airborne systems
- Rugged Storage, Military tactical recorder
- High-speed flight data recording
- Cockpit voice & data recording, MIL 1553 / Arinc monitoring
- Video Surveillance, Video/JPEG2000 capture
- Telecommunications
- Factory automation
- Automotive
- Testing instrumentation
- Mission-critical applications
- JBOD, NAS, SAN, RAID
- Data acquisition systems



Enabling *Photon series*
Flash Disk Technology

Features

- 30 to 500 GB PATA non-volatile Flash Disk memory in a single cPCI 3U slot
- Less than 40 µsec PATA access time
- High data transfer rate – up to 100 MB/Sec Burst & Sustain R/W
- Fast erase - 10 sec entire media (typical)
- Reliability - MTBF > 900,000 hours (MIL-HDBK-217F, 87,600 hour mission)
 - EDC/ECC On-the-fly H/W & S/W Embedded 48bit Reed Solomon algorithm
 - Built-in power-up self test
 - Manual and automatic self-diagnostics
 - Bad Block Mapping out algorithms
 - Dynamic wear leveling
- 0.7 W - 2 W max. power dissipation (depending on capacity). 0.7W on Idle
- 3,000,000 Write/Erase cycles; Read unlimited
- Operating temperature – Commercial 0°C to +70°C, Industrial -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
- PATA UDMA6, MWDMA2 & PIO 0-4 standard interfaces
- No special drivers - uses existing Windows, VxWorks®, and other OS drivers
- Long term product life cycle support
- Optional special pinout & interface connectors to customer's requirement
- Conformal coating – optional
- FFD 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

AScPCI635 takes advantage of Asine *Photon series* technology

top reliable high performance mass storage Solid State Disk. This 3U board level SSD is designed to withstand extreme shocks, vibrations while operating without compromising data integrity, providing top disk performance and capacity.



Ordering Information: P/N Structure: AScPCI635-[cap]-[t][c][f][h][m]

P/N Prefix	capacity	t	c	f	h	m
AScPCI635 PATA	0030 30 GB	C 0°C to 70°C	D Conduction & convection	F Conformal Coating	W S/W Sanitize Erase	S SLC Flash
	0060 60 GB	Z -40°C to 85°C**	Cool			M MLC Flash
	0120 120 GB	E -40°C to 70°C*				
	0240 240 GB					
	0500 *500 GB	*MLC only. No start at -40°C				
Additional Options:		** SLC only				
• Made in the USA (for F M F)	*MLC only					
• Made In India (For Offset)	Net capacity could be depended by system					
• Customizati on available						

Ordering Example:

AScPCI635-0240-ZFS is a compactPCI 3U, PATA interface, 240 GB SLC Flash Disk capacity, operating at -40°C to 85°C conformal coated.