

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *ASINE ASPMC660* at our website: *Click HERE*

PMC
Fast Flash Disk Module

ASPMC660
Photon series

Product Overview

The ASPMC660 Ultra speed PCI Fast Flash Disk PMC modules plug into a single PMC slot and interfaces via PCI bus. Asine *Photon series* SLC Fast Flash Disk (FFD) performance of up to 100MB/Sec burst and sustain R/W can be accessed by PCI bus (PIO, DMA, Ultra DMA6) and available up to 128GB in a single high PMC format.

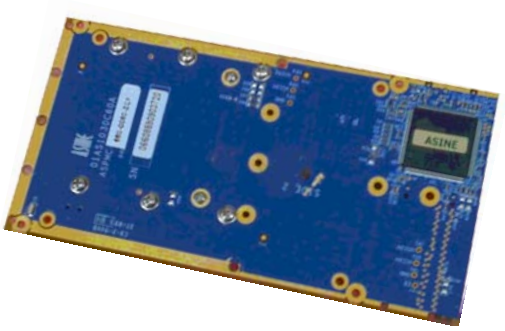
The ASPMC660 Ultra Fast Flash Disk interfaces by Jn1 & Jn2 to the PCI bus - yield an added online Flash Disk storage, which is scanned and registered automatically by CPU BIOS.

Thus - No Connecting Cables or any harness are needed !

Supporting OEM specific application features such as **conformal coating**, **conduction cool**, Integrity OS, write protect, **secure erase** (specific models) and more. Supported by Windows, Linux, VxWorks and other. Optional **configuration freeze** and **long term support**.

Custom specific **conformal coating** avaliable for special environment like – **medical, space, Military, Naval and more**.

The ASPMC660 carries 1 year warranty and optional long term support.



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
- Digital Recorders
- Data acquisition systems



Enabling *Photon series* Flash Disk Technology



Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

ASPMC660 Features

- 16 GB to 128 GB Flash Disk in a single PMC slo at single high
- PCI interface
- High data transfer rate, up to: 100MB/Sec Burst R/W, 50MB/Sec Sustained Read/Write
- IOPS min.4KB random Read 17,000, 0.5KB random Write: 3,000 (overall capacity & flash technology dependant)
- Operating temperature: Commercial 0°C to +70°C, Industrail -40°C to +85°C
- Storage temperature -55°C to +95°C
- Less than 20 µsec access time
- Fast erase / Sanitize
- MTBF > 1,000,000 hours (capacity depended) MIL-HDBK271F
- EDC/ECC On-the-fly H/W & S/W based on BCH
- Dynamic wear leveling & Bad Block Management
- >3,000,000 Write/Erase cycles; Read unlimited
- Embedded EDC/ECC, based on 48-bit Reed Solomon Algorithm for ECC
- Bad Block Mapping and Managment
- Wear-Leveling Algorithm: Dynamic wear- leveling
- Built-in power-up self test, Manual and automatic self-diagnostics
- Power consumption typ/max 3W / 4.5W (for up to 128 GB capacity)
- Humidity 5 to 95% relative, non-condensing
- Altitude (operating & non-operating) +70,000 feet
- FFD unit MIL-STD 810F: Shocks - Half Sine, 1500G, 0.5ms, 40G @ 11msec. Vibrations - 16.3G RMS (Random, 20Hz to 2000 Hz, 3 vibrations axes)
- O.S. drivers - uses existing Windows, Linux and VxWorks® using Asine P/N AS660VXPPC1.0 and AS660VXPPC2.0
- Supported by Integrity™ OS, Linux/Linux-RT drivers
- Conduction cooled
- Conformal coating (Humiseal 1B31). Optional – compliant to Space, Military and Medical applications
- Warranty - 1 Year

Photon series

ASPMC660 takes advantage of the Asine *Photon series* SLC top reliable high performance mass storage Solid State Disk. The FFD is designed to withstand extreme shocks, vibrations while operating without compromising data integrity, providing top disk performance and capacity.






ASPMC6x0	–	cap		–	t		c	f
6 PCI		0160	16 GB		C	0°C to 70°C	C Conduction Cool	F Conformal Coating
		0300	30 GB		Z	–40°C to 85°C		
		0600	60 GB					
		1200	120 GB					

AS660VXPPC1.0	VxWorks® 5.x PIO0 – PIO4 driver & Project License
AS660VXPPC2.0	VxWorks® 5.x PIO0 – PIO4 & DMA0 to DMA 2, UDMA0 to UDMA5 driver & Project License

Ordering Example:
ASPMC660-0600-ZCF is a PMC Ultra Flash Disk module, with 60GB, PCI Interface, Conformal coated, Conduction cool, operating at –40°C to 85°C

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

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP