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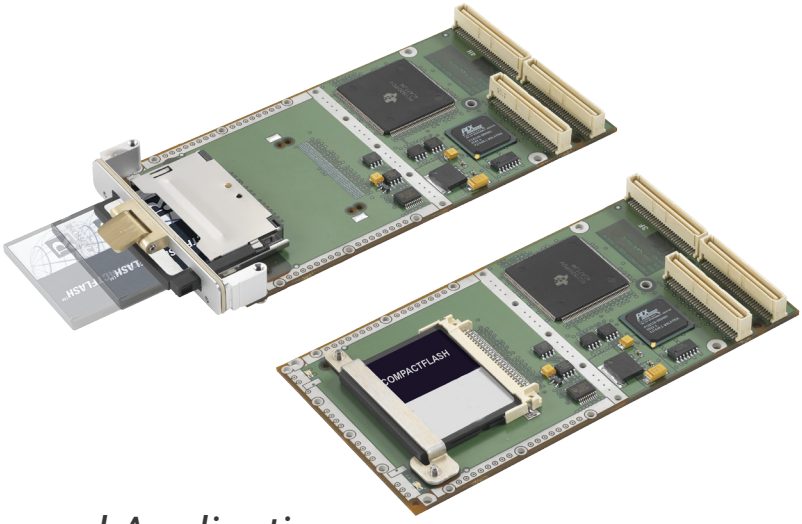
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Find the *Abaco Systems / Radstone PMCF3-5QX* at our website: ***Click HERE***



PMCF3

Add-on Solid State Memory for Rugged Applications

PMCF3 is a member of Abaco Systems extensive family of COTS IEEE 1386.1 compliant PMCs (PCI Mezzanine Cards), offering a convenient way to add large capacity, non-volatile memory to rugged system solutions. Targeted at the world's defense and aerospace OEM marketplace, this cost effective Compact-Flash adapter is ideal for use with Abaco's families of COTS SBCs and PMC carrier cards. PMCF3 can be plugged on to any host with a PMC site and is available in five ruggedization levels.

Designed for applications which require rugged, solid state, non-volatile memory storage (e.g. for data logging, secure mission data, application code etc.), the transportability of CompactFlash allows key data to be inserted and removed from the system as required.

For standard and extended temperature units, the CompactFlash may be ejected through the front panel, whereas for rugged air- and conduction-cooled versions the CompactFlash is securely held with a screw-mounted retaining clip.

PMCF3 is offered either with or without CompactFlash mounted, allowing the customer to choose whether to select a one-stop shop solution, or to source the CompactFlash direct from the manufacturer. The flexibility of CompactFlash allows users to cost-optimize their current system solutions and future-proof the design to cater for system upgrades.

FEATURES:

- CompactFlash adapter
- Easy add-on memory
- Large capacity, cost effective
- IDE disk-like structure and operation
- PCI 2.3 compliant interface
- Customer upgradeable
- Low power consumption
- Comprehensive software support
- 5 air- & conduction-cooled ruggedization levels

abaco SYSTEMS

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PMCF3 *Add-on Solid State Memory for Rugged Applications*

Specifications

PLX PCI 50 Isolation Bridge

- Asynchronous 32-bit
- 32-bit 66 MHz capable PCI interface

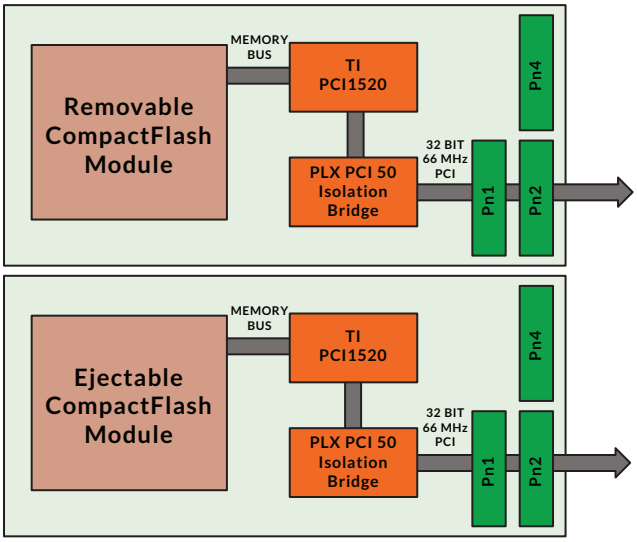
Storage

- PMCF3 is available with or without CompactFlash fitted
- Up to 16 GBytes of CompactFlash currently available
- Front panel ejectable CompactFlash (available on ruggedization levels 1-3)
- Onboard, mechanically retained CompactFlash (available on ruggedization levels 1-5)
- Sustained transfer rates of up to 3.5 MBytes/ sec write and 2.8 MBytes/ sec read are achievable, depending on CompactFlash card Software support.

Software

- COTS software support drivers for Wind River's VxWorks, Green Hills Software's INTEGRITY and LynuxWorks' LynxOS.

Block diagram



Environmental

	Level 1	Level 2	Level 3	Level 4	Level 5
Cooling Method	Convection	Convection	Convection	Conduction	Conduction
Conformal Coating	Optional	Standard	Standard	Standard	Standard
High/Low Temp	0 to 55°C	-20 to +65°C	-40 to +75°C	-40 to +75°C	-40 to +85°C
Operational	(300 ft/m)	(300 ft/m)	(600 ft/m)	At cold wall	At cold wall
Random Vibration	0.002g2/Hz*	0.002g2/Hz*	0.04g2/Hz**	0.1g2/Hz**	0.1g2/Hz**
Shock	20g***	20g***	20g***	40g***	40g***

**With a flat response to 1000 Hz, 6 dB/Oct roll-off from 1000 to 2000 Hz ** From 10 to 1000 Hz ***Peak sawtooth 11 ms duration

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