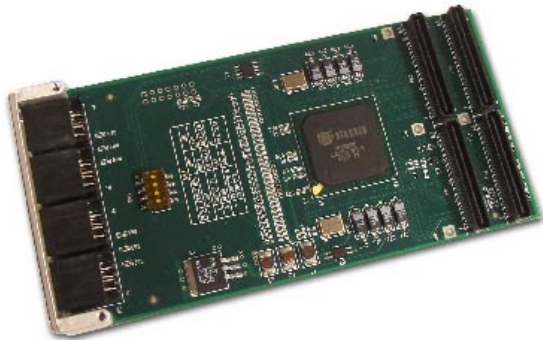


FABRIC & CONNECTIVITY DIVISION



Typical applications for our StarFabric-based products include:

- Automated test equipment
- Clustering applications
- Communications (media gateways, blade servers)
- Industrial control/automation
- Medical imaging
- Military applications (radar, imaging)
- PCI expansion
- Storage (NAS, SAN)
- Video/image processing

- Incorporates StarGen's StarFabric-to-PCI bridge
- 32-bit/33 MHz, 64-bit/66 MHz PCI interface
- Dual StarFabric links
- External RJ-45 connections (shielded CAT5 cabling for up to 10 meters) or PICMG 2.17 compatible Pn4 interconnect
- 400 Mbytes/sec sustained throughput
- Transparent protocol allows PCI-based O/S and application software to run without modification
- Fabric auto configuration at boot
- Redundant links for high availability
- "Root" and "Leaf" mode operation
- Software Developers Kit to develop custom path route applications
- Linux, Microsoft Windows, Solaris (SPARC and x86), and VxWorks operating system support

The PMC-SB StarFabric PCI Mezzanine Card utilizing StarGen® Inc.'s StarFabric bridge, offers a flexible switch fabric interface to real-time networks that scale from a few to hundreds of nodes. The flexibility and scalability of the PMC-SB is ideal for many signal-processing applications, including voice, that require the use of multiple processors to achieve real-time response and throughput.

The PMC-SB is PICMG 2.17 compliant and mounts on a CompactPCI or VME64 PMC carrier to provide a StarFabric interface. The PMC-SB converts a conventional parallel 32- or 64-bit PCI bus operating at up to 66 MHz to dual high-speed serial links compliant with the StarFabric protocol. The two links may be used separately for redundant fabric applications or may be aggregated for higher speed operation.

—innovative engineering, dependable products—

Carlo Gavazzi Computing Solutions designs and manufactures standard and custom AdvancedTCA™, CompactPCI®, PCI/ISA, and Switch Fabric backplanes, cabinets, enclosures, I/O boards, and integrated systems that address your outsourcing and time-to-market needs.



CARLO GAVAZZI COMPUTING SOLUTIONS

Electronic Packaging

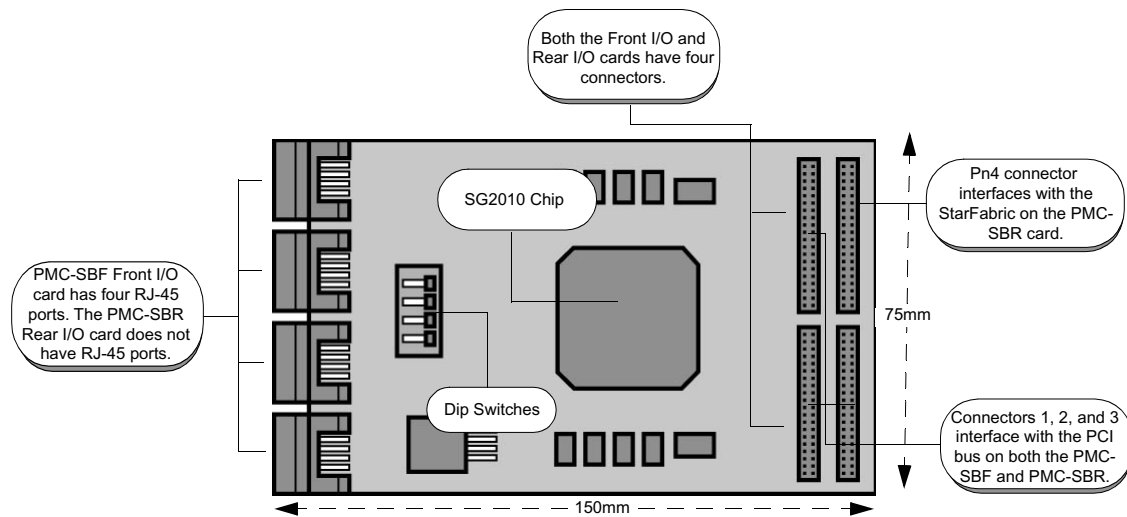
Fabric & Connectivity

Embedded Computing

Fulfillment



FABRIC & CONNECTIVITY DIVISION



PMC-SB Card in Detail (Top View)

General Specifications

Model	PMC-SB StarFabric PCI Mezzanine Card
PCI Compliance	PCI 2.2
Bus Speed	33/66 MHz
Bus Width	32/64 bits
Interconnect	PICMG 2.17 compatible Pn4 interconnect or two StarFabric links via RJ-45 interconnects
Interconnect Bandwidth	2.5 Gbps full duplex
Signal Standards	LVDS IEEE 1596.3 and TIA/EIA-644 Low-Voltage
Power Supply	Supports 3.3, 5 VDC operation
Power Consumption	2 Watts maximum
Max Separation Distance	Up to 10 meters from host card to expansion chassis
External Connectors	Dual StarFabric serial links with four RJ-45 connectors
Certification	Designed to meet FCC Class A, CE

Physical Specifications

Bus Interface	PCI 2.2
Form Factor	IEEE P1386
Dimensions	75 mm x 150 mm x 8.2 mm
Weight	6 oz
Interface Cable	Two shielded CAT5 cables with RJ-45 connectors

Environmental Specifications

Operating Temperature	+10 to +50°C
Storage Temperature	-20 to +60°C
Relative Humidity	5% to 95%, non-condensing
MTBF	50,000 hours

Part Numbers

70-04002-01	PMC-SBF StarFabric PCI Mezzanine Card
70-04002-02	PMC-SBR StarFabric PCI Mezzanine Card

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COMPUTING SOLUTIONS

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