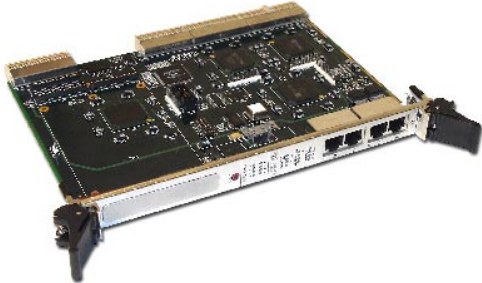


FABRIC & CONNECTIVITY DIVISION



- Eight links to PICMG 2.17 backplane for up to eight node cards
- 40 Gbps aggregate bandwidth
- Four RJ-45 connectors for two external connections
- Low latency design
- Three SG1010 StarFabric devices
- PMC site supports Monarch or Non-Monarch modes
- One SG2010 Bridge device
- Hot swappable
- Root and Leaf operation
- Integration with Carlo Gavazzi hardware
- Linux, Microsoft Windows, Solaris, and VxWorks operating system support

Typical applications for our StarFabric-based products include:

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

The CP-SFX8 Fabric Card provides a high-bandwidth and cost-effective solution for switching StarFabric in high-availability platforms. The fabric card's power and flexibility, coupled with our existing suite of StarFabric software and hardware, allows systems architects to develop next-generation technology today.

The CP-SFX8 allows users to implement a centralized fabric topology in a CompactPCI chassis. Available in a 6U design, the CP-SFX8 features eight links to a PICMG 2.17 compliant backplane and supports up to eight node cards within the chassis. The card also has two front panel links to connect to a second chassis for fully redundant, fault tolerance. The card's internal switch devices interconnect so data travels no more than two hops for low latency. The CP-SFX8 card provides a per port bandwidth of 5 Gbps and an aggregate bandwidth of 40 Gbps.



—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



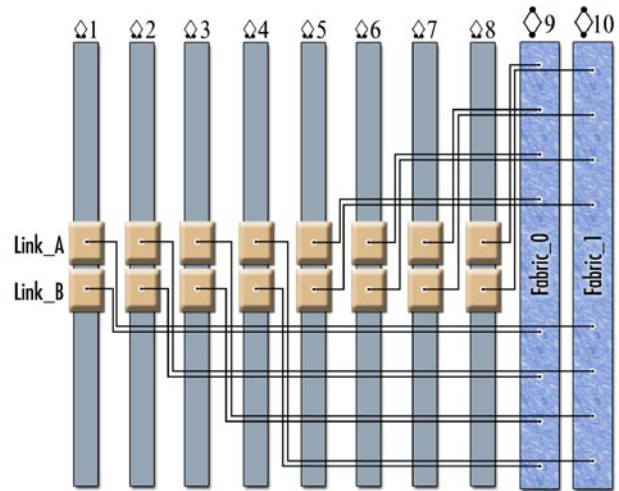
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General Specifications

Model	CP-SFX8 Fabric Card
PCI Compliance	PCI Bridge 1.1
Bus Speed	33/66 MHz
Bus Width	32/64 bits
Interconnect	Dual front panel StarFabric bridge links with RJ-45 connectors, Eight StarFabric links to the backplane
Interconnect Bandwidth	2.5 Gbps to 5.0 Gbps full duplex external connectivity, up to 40 Gbps inside the chassis
Signal Standards	Low Voltage Digital Signalling (LVDS) IEEE1596.3 and TIA/EIA-644 Low-Voltage
Power Supply	Supports 3.3, 5 VDC operation
Power Consumption	10 Watts
Max Separation Distance	Up to 10 meters between external chassis and CP-SFX8 chassis
PMC Site	66MHz/64-bit PCI 2.2 compliant

Physical Specifications

Bus Interface	PCI 2.2
Form Factor	Single slot; 6U
Dimensions	75 mm x 150 mm x 8.2 mm
Weight	14 oz
Interface Cable	Two shielded CAT5 cables with RJ-45 connectors
Supported Standards	PICMG 2.17 CompactPCI StarFabric PICMG 2.1 CompactPCI Hot Swap



System Hardware Support/ Operating Specifications

OS Support	Linux, Microsoft Windows, Solaris, and VxWorks
Hardware	Integrates with Carlo Gavazzi enclosures

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

72-00106-01	CP-SFX8 Fabric Card
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