



The high-performance, highly reliable 3U CompactPCI adapter for high-end enterprise servers.

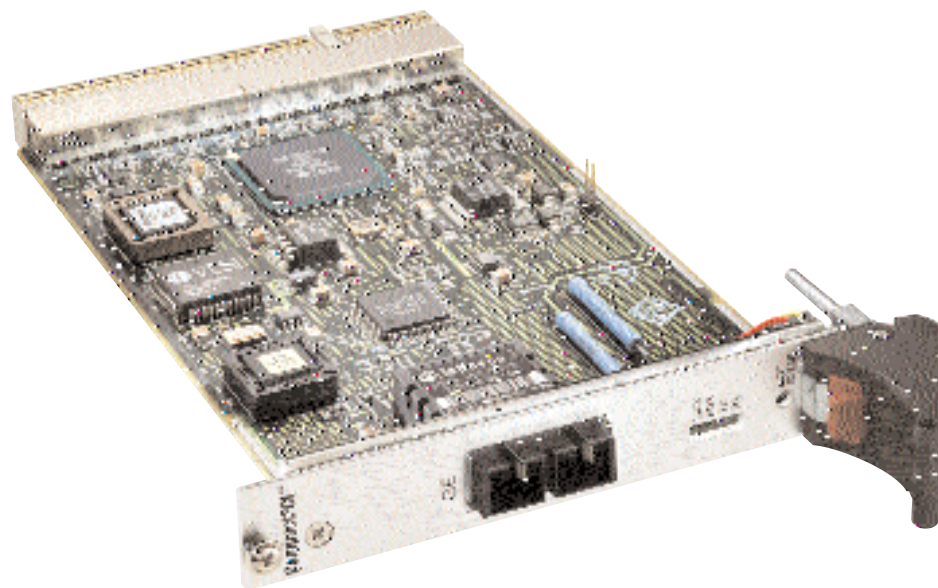
Sun™ Gigabit Ethernet 3U CompactPCI Adapter

HIGHLIGHTS

- A full-duplex Gigabit Ethernet interface on an IEEE-standard Eurocard form factor
- Ruggedized, high-density 2-mm pin-and-socket connectors provide 32- and 64-bit PCI signals
- Complies fully with PICMG 2.1 standards for reliable operation in industrial computing environments
- Fully hot-swap capable for live insertions, removals, and upgrades—for maximum system uptime
- Features dynamic reconfiguration, redundancy, and failover support for high availability
- Low CPU utilization frees up server resources and bandwidth
- Industrial 3U form factor mounts vertically, enabling convection cooling for reliable operation in extreme heat and dust; withstands shock and vibration
- I/O connections on front and rear of module, for easy servicing
- Supports load balancing for RX packets among multiple CPUs
- Supports IPv4 and IPv6 for increased flexibility and security

For a wide variety of demanding applications, enterprises, service providers, and military deployments, the Sun™ Gigabit Ethernet 3U CompactPCI adapter delivers all the highly reliable, high-performance CompactPCI connectivity you require. Designed specifically for Sun Fire™ mid-frame servers, the card provides a full-duplex Gigabit Ethernet connection on an IEEE-compliant 3U Eurocard form factor. Hot-swap support lets administrators insert, remove, and upgrade cards while

the system is operating, for minimal downtime. The card mounts vertically, allowing natural forced-air convection cooling for more reliable performance, even under less than ideal environmental conditions—and its high-density connectors are ruggedized to Telcordia NEBS standards for further reliability. Combine all that with dynamic reconfiguration, redundancy, and failover support, and you have an ideal connectivity solution for high-performance computing environments.



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from the Sun™ Store,
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or contact an authorized
Sun reseller near you.**

SUN GIGABIT ETHERNET 3U COMPACTPCI ADAPTER

For companies looking for high-performance, full-duplex Gigabit Ethernet connectivity in a standard, IEEE Eurocard form factor, the Sun Gigabit Ethernet 3U CompactPCI adapter is an exceptional solution, with hot-swap support for maximum uptime and ruggedized, NEBS-compliant connectors for deployment in harsh environments.

SUN GIGABIT ETHERNET 3U COMPACTPCI ADAPTER SPECIFICATIONS

PERFORMANCE

cPCI clock	33/66 MHz
cPCI data burst transfer rate	100 MB/sec. (approximate)
cPCI steady-state transfer rate	75 MB/sec.
cPCI bus modes	Master/slave

HARDWARE SUPPORTED

Servers	Sun Fire 3800
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SOFTWARE SUPPORTED

Operating environment	Solaris™ 8 Operating Environment, update 4 and higher
Firmware	OpenBoot™ PROM 3.0 or higher (user-executable selftest)
	SunVTS™ diagnostic tool

POWER REQUIREMENTS

Power dissipation	6.67 W/66-MHz operation mode
Voltage tolerance	+/- 5%
Ripple	Up to 100 mV
Operation current	1.9 A/66-MHz operation mode

ENVIRONMENT

Operating	
Temperature	0° C to 55° C (32° F to 131° F), 5% to 85% relative humidity, noncondensing (40° C wet bulb temperature)
Altitude	-1,000 ft. to 15,000 ft.
Shock	5g 1/2 sine wave, 11 msec.
Vibration (peak to peak displacement)	0.0005 in. max. (5 Hz to 32 Hz)
Vibration (peak acceleration)	0.25g (5 Hz to 500 Hz) (sweep rate = 1 octave/min.)
Storage	
Temperature	-25° C to 70° C (-25° F to 131° F), 0% to 95% relative humidity, noncondensing (40° C/hr.)
Altitude	-1,000 ft. to 50,000 ft.
Shock	30g 1/2 sine wave, 11 msec.
Vibration (peak to peak displacement)	0.1 in. max. (5 Hz to 17 Hz)
Vibration (peak acceleration)	1.0g (5 Hz to 500 Hz) (sweep rate = 1 octave/min.)

REGULATIONS

EMC	EN55022:1998/CISPR22:1997 Class A; EN55024:1998; EN61000-4-2, -3, -4, -5, -6, -8, -11; EN61000-3-2:1995 + A1, A2, A14; EN61000-3-3:1995
Safety	Low Voltage Directive 73/23/EEC; EN60950: 1992, 2ND Edition, Amendments 1, 2, 3, 4, 11; CE Mark

DIMENSIONS

Length	160 mm (6.30 in)
Width	100 mm (3.94 in)



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Front

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