



NETernity™ PMC942

Layer 2 Unmanaged Gigabit Ethernet Switch and NIC in PMC Form Factor

Features

- Eight 10/100/1000BaseTX auto-negotiating ports, supports full or half duplex
- Four ports accessible from front RJ45 connectors, three ports routed to P4
- One port GigE controller appears as a Network Interface to the host
- PIM available to access the rear ports
- Onboard NIC is connected to the eighth port on the switch
- Serial console signals routed to P4
- Full wire speed Layer 2 switching on all ports
- 4K MAC address table
- Auto address learning
- Auto address aging
- 802.1p QoS
- 802.1Q VLAN

The NETernity™ PMC942 is a fully integrated 8-port 10/100/1000BaseT Ethernet switch designed to support the low-cost requirements of unmanaged switch applications and converging networks. Seven of the ports are external; the eighth port appears as a NIC (Network Interface) to the host SBC to which the PMC is attached.



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Specifications

Components

- Switch fabric: Broadcom BCM5388

Power Specifications

- Power:
 - @5V 8.2W
 - @3.3V 4.6W

Form Factor

- PMC

Mean Time Between Failures (MTBF)

- Approximately 689,967 hours per FITS

Temperature

- Operating: 0 to +60° C
- Storage: -40 to +85° C

Humidity

- Operating: 5% to 95% noncondensing
- Storage: 5% to 95% noncondensing

Ordering Information

PMC942: PMC 8 port GE Switch (4 front copper, 3 rear I/O via J4) with onboard NIC

PIM942: PCI Interface Module for accessing the three I/O ports routed to the rear

About GE Fanuc Embedded Systems

GE Fanuc Embedded Systems is a leading global provider of embedded computing solutions for a wide range of industries and applications. Our comprehensive product offering includes many types of I/O, single board computers, high performance signal processors, fully integrated, rugged systems including flat panel displays, plus high speed networking and communications products. The company is headquartered in the U.S. and has design, manufacturing and support offices throughout the world. Whether you're looking for one of our standard products or a fully custom solution, GE Fanuc Embedded Systems has the breadth, experience and 24/7 support to deliver what you need. For more information, visit www.gefanucembedded.com.

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Additional Resources

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