

NETernity™ CP980RC

6U CompactPCI® 24-Port Unmanaged Layer 2 Gigabit Ethernet Switch

Features

- 6U CompactPCI® form factor
- 24-port Gigabit Ethernet switch
- Unmanaged solution
- L-2 switching at wire-speed
- Supports Hot Swap
- 24 ports routed to the rear, or 22 ports routed to the rear and 2 ports routed to the front
- Rear I/O ports are 10/100/1000BaseT (copper media)
- Front ports are 10/100/1000BaseT
- Front panel status LEDs and hardware reset switch
- Autonegotiation of speed and duplex mode (on copper ports)
- Support for Jumbo Frames
- RoHS 6/6 compliant
- Polyurethane or acrylic conformal coating optional

Key Specifications

- IEEE 802.3-2005
- PICMG® 2.1 (Hot Swappable)
- MDI/MDIX control
- Rear I/O conforms to PICMG 2.16 pinout
- RoHS 2002/95/EC compliant

NETernity™ CP980RC is a 24-port Layer 2 unmanaged Ethernet embedded switch designed to meet the low-cost requirements of unmanaged switch applications. The 6U CompactPCI form factor CP980RC facilitates communications within a chassis as well as supporting the network outside the chassis. It is RoHS compliant and supports high-availability hot swap.

CP980RC delivers full wire-speed Gigabit Ethernet Layer-2 switching on all ports. The CP980RC has 24 10/100/100BaseT (copper) ports routed to rear I/O. Versions of the switch are also available with 22 10/100/1000BaseT ports routed to the rear and two 10/100/1000BaseT Gigabit Ethernet ports routed through the front panel. Conformal coating is optional.

Why choose GE Fanuc NETernity Ethernet Switches?

GE Fanuc has a wealth of expertise in Military, Commercial and Telecommunications markets. This makes us unique in the embedded computing industry – we understand application requirements and we know communication protocols.

Our line of NETernity Ethernet Switches is unmatched. Not only is our product selection extensive, but the switches themselves provide maximum flexibility, performance, and density.

NETernity Ethernet Switches are available in a variety of form factors, interfaces, levels of ruggedness, port configurations, media support, and types of management.

Managed switches are Layer 2/3+ switches with control and monitoring capabilities via local or remote access. Configuration Managed switches are Layer 2 switches with control and monitoring capabilities via local or remote access. Unmanaged switches are Layer 2 switches with no operator interfacing and are designed for quick deployment in well defined applications.

Call GE Fanuc Intelligent Platforms' knowledgeable sales team for help in selecting the switch that best meets your applications requirements.



NETernity™ CP980RC 24-Port Unmanaged Layer 2 Gigabit Ethernet Switch

Specifications

Physical Interface

- 24 10/10/1000BaseT Gigabit Ethernet ports routed to rear, or 22 10/100/1000BaseT ports routed to rear and 2 front access 10/100/1000BaseT
- RJ-45 connectors

Dimensions

- 6U (4HP) single slot CompactPCI form factor
- Height: 9.2 in. (233.4mm)
- Depth: 6.3 in. (160mm)
- Thickness: 0.8 in. (20.3mm)
- Weight: 1.08 lbs (0.49Kg)

Power Requirements

- 24 copper ports: 30W (max)

Environmental

- Temperature
 - Operating: 0° to +65 °C
 - Storage: -40° to +85 °C
- Relative Humidity
 - Operating: 5% to 95%, noncondensing
 - Storage: 5% to 95%, noncondensing

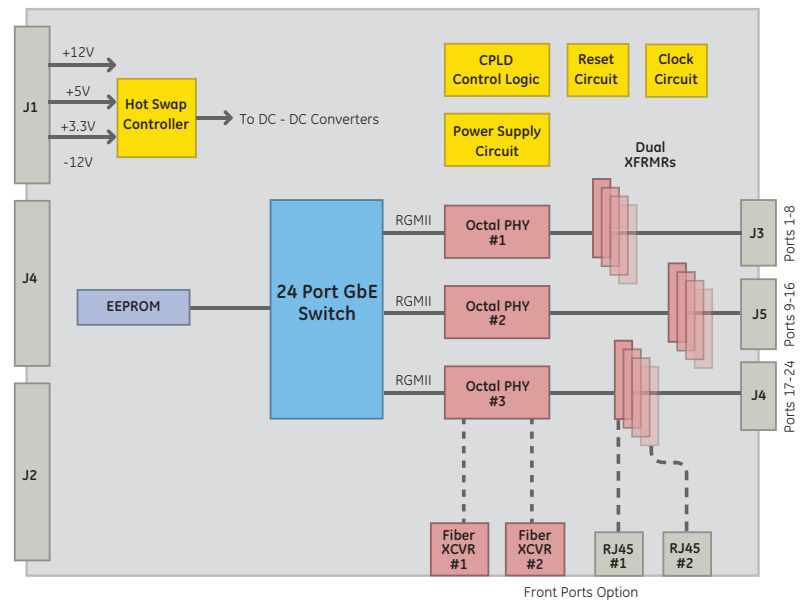
MTBF

- 306,986 hours per FITS

Regulatory Compliance

- European Union (CE Mark)
 - EN55022 Radiated Emissions Class A
 - EN55022 Conducted Emissions Class A
- United States
 - FCC 47 Part 15, Class A
- Safety:
 - UL60950-1
 - CSA C22.2, No. 60950-1
 - EN60950-1 (Low Voltage)
- RoHS 6/6: European Community Directive 2002/95/EC

Block Diagram



Ordering Information

- CP980RC-000** NETernity unmanaged Layer 2 Ethernet switch; 24 rear I/O 10/100/1000BaseT copper ports; RoHS
- CP980RC-003** NETernity unmanaged Layer 2 Ethernet switch; 22 rear I/O 10/100/1000BaseT copper ports and 2 10/100/1000BaseT front I/O ports; RoHS
- TRCP9XX-5RC** 5-port rear transition module
- TRCP9XXRC** 24-port rear transition module
- TRCP9XXRC-12** 12-port rear transition module

For Conformal Coating, add -CC at end of part number for polyurethane or -CCA for acrylic.

About GE Fanuc Intelligent Platforms

GE Fanuc Intelligent Platforms 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 Intelligent Platforms has the breadth, experience and 24/7 support to deliver what you need. For more information, visit www.gefanuc.com.

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Additional Resources

For more information, please visit the GE Fanuc Intelligent Platforms web site at:

www.gefanuc.com

