

# NETernity RM980RC

## VME 12- or 24-Port Unmanaged Layer-2 Gigabit Ethernet Switch with Rear I/O

### Features

- 6U VME form factor
- 12- or 24-port Gigabit Ethernet switch
- L-2 switching at wire-speed
- Rear ports are 10BaseT, 100BaseTX and 1000BaseT
- 22 rear ports +2 front ports optional
- Auto address learning
- Auto address aging
- Auto MDI/MDIX support
- 10BaseT, 100BaseTX and 1000BaseT auto-negotiating, supports full or half-duplex
- Support for Jumbo Frames
- Front panel Link and Activity status LEDs
- RoHS compliant
- Polyurethane or acrylic conformal coating optional
- 12-, 22-, and 24-port rear transition modules available

### Key Specifications

- IEEE 802.3-2005
- MDI/MDIX control
- RoHS 2002/95/EC compliant

NETernity™ RM980RC is an economical VME format unmanaged Layer-2 Gigabit Ethernet switch designed to meet the needs of a wide range of applications such as commercial, industrial and government systems. The 6U VME form factor RM980RC facilitates communications within a chassis as well as supporting the network outside the chassis.

RM980RC delivers full wire-speed Gigabit Ethernet Layer-2 switching on all ports. It is available in a number of configurations including 12 or 24 10BaseT, 100BaseTX and 1000BaseT ports routed to rear I/O, or 22 10BaseT, 100BaseTX and 1000BaseT ports routed to the rear plus two front I/O ports. Polyurethane or acrylic conformal coating is optional.

### Why choose GE Intelligent Platforms NETernity Ethernet Switches?

GE 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.

Fully Managed switches are Layer-2/3+ switches with control and monitoring capabilities via local or remote access. 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 Intelligent Platforms' knowledgeable sales team for help in selecting the switch that best meets your applications requirements.



# NETernity RM980RC VME 12- or 24-Port Unmanaged Layer-2 Gigabit Ethernet Switch

## Specifications

### Physical Interface

- 12 or 24 Gigabit Ethernet ports routed to rear I/O, or 22 copper Gigabit Ethernet ports routed to rear + 2 front Gigabit Ethernet ports
- All ports are 10BaseT, 100BaseTX and 1000BaseT
- RJ-45 connectors

### Dimensions

- 6U single slot VME form factor
- 22 and 24 port RTMs are dual slot

### Weight

- 0.5 lbs (0.227 Kg)

### Power Requirements

- 12 copper ports: 19 W (max)
- 24 copper ports: 26 W (max)

### Environmental

- Operating Temperature: 0° to +65 °C
- Storage Temperature: -40° to +125 °C
- Relative Humidity: 5% to 95%, noncondensing

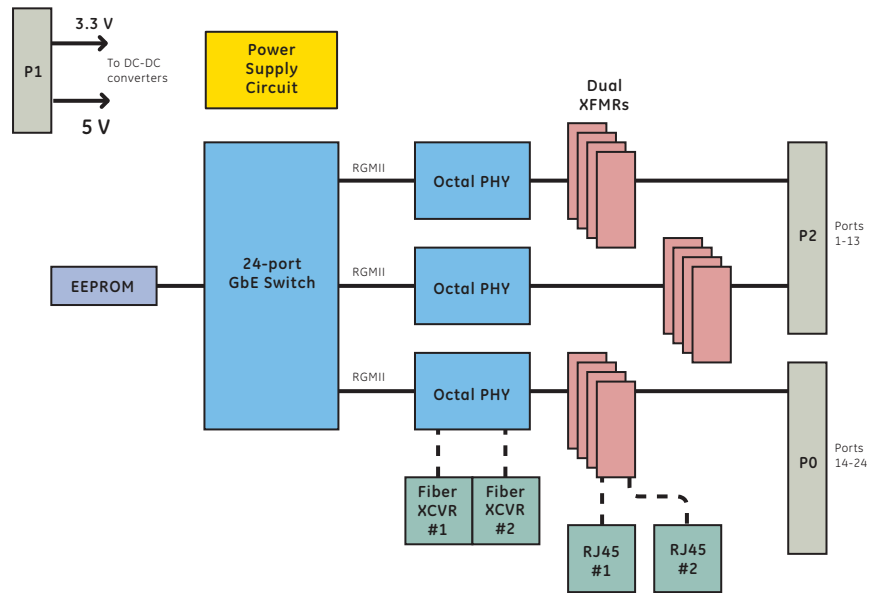
### MTBF

- 12 ports: 624,786 hours, Ground Benign, Controlled, 40° C
- 24 ports: 545,528 hours, Ground Benign, Controlled, 40° C

### 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

<b>RM980RC-12</b>	6U VME NETernity unmanaged Layer-2 Ethernet switch; 12 rear I/O 10BaseT, 100BaseTX and 1000BaseT copper ports; RoHS
<b>RM980RC-000</b>	6U VME NETernity unmanaged Layer-2 Ethernet switch; 24 rear I/O 10BaseT, 100BaseTX and 1000BaseT copper ports; RoHS
<b>RM980RC-003</b>	6U VME NETernity unmanaged Layer-2 Ethernet switch; 22 rear I/O 10BaseT, 100BaseTX and 1000BaseT copper ports + 2 front 10/100/1000BaseT ports; RoHS
<b>TRRM922RC</b>	24-port rear transition module; dual slot; RoHS
<b>TRRM922RC-2</b>	22-port rear transition module; dual slot; RoHS
<b>TRRM922RC-1</b>	12-port rear transition module; RoHS

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

## About GE Intelligent Platforms

GE Intelligent Platforms, a General Electric Company (NYSE: GE), is an experienced high-performance technology company and a global provider of hardware, software, services, and expertise in automation and embedded computing. We offer a unique foundation of agile, advanced and ultra-reliable technology that provides customers a sustainable advantage in the industries they serve, including energy, water, consumer packaged goods, government and defense, and telecommunications. GE Intelligent Platforms is a worldwide company headquartered in Charlottesville, VA and is part of GE Home and Business Solutions. For more information, visit [www.ge-ip.com](http://www.ge-ip.com).

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