GE Fanuc Automation

CP945

CompactPCI® 6U Single Slot, Front Panel 10/100 Unmanaged Ethernet Switch

The CP945FP-12 is a fully integrated 12-port Ethernet switch with front panel I/O, designed to support the low-cost requirements of unmanaged switch applications and converging networks. The QoS technology allows low cost unmanaged switches to carry voice and data traffic without having to compromise the quality of its voice traffic by using the packet prioritization scheme. Packets are prioritized based upon their Layer 2 VLAN priority tag or the Layer 3 Type-Of-Service/Differentiated Services (TOS/DS) field. This priority can be defined as transmit and/or drop priority.

Product Features

- 12 ports 10/100BaseTX, auto-negotiating, front panel
- Full wire speed Layer 2 switching on all ports
- 1K MAC address table
- Auto address learning
- Auto address aging
- Leading edge QoS capabilities, based on 802.1p and IP TOS/DS field
- Enables mixed voice-data networks
- Provides port-based prioritization of packets on 4 ports
  – Input ports are defined to be high or low priority
  – Allows explicit identification of IP phone ports
- Up to 8 port based VLANs
- Provides both full/half duplex ports
- Flow control capabilities
  – Back pressure for half-duplex
  – 802.3x flow control for full-duplex

Although the CP945 is an unmanaged switch, certain configuration options can be programmed with a Windows®-based configuration utility and a parallel port cable.

As per all CompactPCI products from GE Fanuc Embedded Systems, the card offers hot insertion capability for higher reliability and rapid service.

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CP945 Specifications

Components
- Switch fabric: Zarlink DS108

Power Specifications
- Power: 7 watts
  - @ 3.3 V 2.1 amps

Ethernet Characteristics
- Ports: 12 x 10/100 BaseTX
- Port routing: Front 12 x RJ45 10/100 BaseTX
- Switching: Unmanaged, 2 Layer

PCI Bus Characteristics
- Hot Swap

Form Factor
- 6U single slot CompactPCI

Mean Time Between Failures (MTBF)
- MIL 217-F Nav Shel 25 Deg. C: 283000 Hours

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

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

Conformal Coating
- Yes, additional charge

Warranty
- 3 years

Ordering Options

CP945FP-12	12 x 10/100BaseTX routed to front panel

Additional Resources

For detailed technical specifications and product ordering information, please visit the GE Fanuc Embedded Systems web site at:

www.gefanuc.com/embedded

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