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Find the *Abaco Systems / Ramix CP944* at our website: ***Click HERE***

Product Specification

CP944

Economical CompactPCI Switch

2 Gigabit ports

24 x 10/100 ports

Overview

The CP944 is a full wire speed, non-blocking Layer2 switch with Configuration Management Control (CMC). The board provides an economical solution for high availability PICMG 2.16 systems.

24 ports of 10/100 Mbit Ethernet to the rear I/O and optionally 2 x 1 Gigabit Fiber Ethernets to the front or rear. In a standard 19" rackmount chassis, 19 ports are used for the 2.16 specification with the remaining 5 ports available to the user for additional links via the rear transition card (TRC944/5).

Management Capabilities

The CP944 can be optionally ordered without the management capability software, CMC. However, most embedded applications will benefit from these configurable features. No setup is required for basic Layer 2 switching.

2.9 Compliance

The CP944 is compliant to the system level bus specification PICMG 2.9. The CP944 is a field replaceable unit and responds to system requests. The CP944 provides its information on demand for system level control and monitoring often required for high availability systems. The board will provide user configurable information.

As a standard option, the CP944 has 2 Fiber Gigabit ports on the front panel. These can be used as network uplinks or for chassis to chassis interconnects.

Hardware Features

- Carrier Grade Switch
- Designed for NEBS compliance
- PICMG 2.16 Fabric Slot compliant
- PICMG 2.9 FRU compliant
- Layer 2 Switching
- Full wire speed
- Non-blocking
- 24 ports compliant to PICMG 2.16
- Option for 2 x 1 Gigabit Fiber Uplinks
- Hot Swap Single Slot CPCI board
- Entry level switching solution

Configuration Management Control

- VLAN Group Setup
- Trunking Setup
- Priority Setup
- Port Setup
- Port Statistics
- Port Mirroring

Corporate Headquarters

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Product Specification

CP944

Specifications

System / Port Configurations	Standard: 24 x 10/100 PICMG 2.16 + 2 x LC Fiber Gigabit ports with Configuration Managed Control
Option TX: Part No CP944/TX	2 x Copper Gigabit ports. Rear I/O
Option N: Part No CP944/N	No Fiber Gigabit Ports
Option Z: Part No CP944/Z	Down-Grade to an Unmanaged Switch
Rear Transition Cards	TRC944/5: 5 x rear RJ45 connectors TRC944/12: 12 x rear RJ45 connectors RTC944/24: 24 x RJ45 connectors
Bus Interface	CompactPCI 2.1 compatible
Temperature	0 - 60° C operating. -45 to 90° C non-operating.
Humidity	5% to 95% - non-condensing
Power Requirements	2.5A at 5V : 1.5A at 3.3V : 17.5W Max
Dimensions	6U CPCI Single Slot
LED's	Link, Activity and Speed
MTBF	Calculated to Mil Spec
Warranty	5 years

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RAMiX Inc. is a designer and manufacturer of state-of-the-art networking, storage, I/O and memory solutions. RAMiX supplies a diverse market place ranging from process control, internetworking and telecommunications to rugged, extended temperature military environments. RAMiX Inc delivers innovative products supporting the leaders in Single Board Computers, Real-Time and UNIX operating systems. The product range includes 10/100/1000 Embedded Ethernet Switches, a wide array of Network Interface Cards (NICs) featuring both intelligent and non-intelligent solutions, serial I/O, Flash and SSD memory, bus expansion and adaptation (PCMCIA, PMC, VME, CPCI). RAMiX sells and supports OEM and distribution partners worldwide with offices in the USA and Europe.

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