



Highlights

>> **Carrier-Grade 24 10/100 Port Switching Fabric**

Interfaces with other devices via CompactPCI® Packet Switching Backplane or rear panel I/O connector board

>> **PICMG® 2.16-Compliant**

>> **Wire-Speed Switching**

5 Gbps switching speed (over 2.1 million packets/sec with latencies of less than 12m/sec) ensures packets get switched, not dropped

Our CPC3400 is an unmanaged, low cost 10/100 Ethernet switching platform. It offers 24 10/100 auto negotiating Ethernet ports in a rugged, hot-swap, CompactPCI® 6U form factor. The result is a cost-effective switching solution for OEMs & integrators looking to quickly launch carrier-grade IP products with basic Ethernet switching capabilities.

The CPC3400 is compliant with PICMG® 2.16, which offers the option of sending all Ethernet signals through the mid-plane - enabling designers to vastly increase the inter-board communication capabilities of subsystems located in a CompactPCI chassis. By moving system traffic from the shared bus architecture of CompactPCI to a fault-tolerant, yet industry standard switched backplane approach, overall system throughput can be doubled while retaining the inherent robustness, reliability and hot-swap capabilities of CompactPCI.

The CPC3400 is ideal for demanding network applications. Each blade "learns" and caches up to 4k MAC addresses in its filtering database and sustains full wire-speed data rates on all ports with its 5 Gbps switching fabric, eliminating congestion in even the busiest environments.

The CPC3400 continues our long tradition of offering high-availability, fault-tolerant solutions for the telecom and data communications industries.



IPnexus™

CPC3400

24-Port 10/100 Switching Platform

Ordering Information

>> **PT-CPC3400F-11396**

24-port fabric switch ONLY,
no RTM

>> **PT-CPC3400N-11761**

24-port node switch ONLY, no
RTM

Contact Information

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Specifications

Internal Switching Capacity

- 5 Gbps, non-blocking full wire-speed L2 switching fabric

Latency

- <12m sec

Base Configurations

- 24 10/100 TX ports (auto negotiating)

Breakout Options

- Rear panel RJ-45 connections or 10/100 links over the CompactPCI Packet Switching Backplane

CompactPCI Hot-Swap Support

- PICMG 2.1, R2.0
- PICMG 2.16 Section 3.5 (hardware connection CompactPCI/PSB layer) hot-swap support

MAC Addresses

- 4k

LED Indicators

- Link, activity, speed, load, power and hot-swap

Standards

- IEEE 802.3, 10BaseT, 100BaseT
- IEEE 802.3x Flow Control
- IEEE 802.3u Auto-Negotiation

Power Requirements

- 15W maximum

System Management

- PICMG 2.9 System Management Bus (SMB)
- Peripheral management

Environment

- Operating Temp: 32-135°F (0-55°C)
- Relative Humidity: 10-90%, non condensing

Agency Certifications

- UL 1950, CSA-C22.2 No. 950 93, FCC Class A (Part 15, Subpart J)
- CE
- ETSI EN 300 386 (pending)
- NEBS Level 3-friendly

MTBF

- Estimated 200,000 hrs