

CP212

12 Port cPCI Managed Layer Two/Three Switch



CP212

Key Features

- 3U Compact PCI (cPCI) compliant
- Managed Layer L2/L3 Switch
- 10 Ports of 10/100/1000 via RJ-45
- Two ports to the rear
- Supports up to 16K Mac address
- IEEE 802.1Q, IEEE 801.1ag, IEEE802.1w, IEEE802.1s, IGMPV3 and MLDv2 with Link-Aggregation Groups, etc.
- IPV4/6 and IP Multicast, policy-based routing, IP Multicast (MVR and MVR+), etc.
- Packet classification using IEEE802.1p/IEEE802.1ad QoS with Q-in-Q capabilities
- Support Jumbo frames up to 10K

Benefits

- Design utilizes proven VadaTech subcomponents and engineering techniques
- Electrical, mechanical, software, and system-level expertise in house
- Full system supply from industry leader
- AS9100 and ISO9001 certified company



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The CP212 is a 3U single slot Compact PCI (cPCI) module that has 10 Ports of 10/100/1000 GbE via RJ-45 (the module actually takes two slots in the chassis due to the RJ-45 connectors). The Module has the option for two Ports on its P2 Connector.

The switch has a rich set of Command Line Interface (CLI) for configuration and well as SNMP capabilities.

VadaTech can modify this product to meet special customer requirements without NRE (minimum order placement is required).

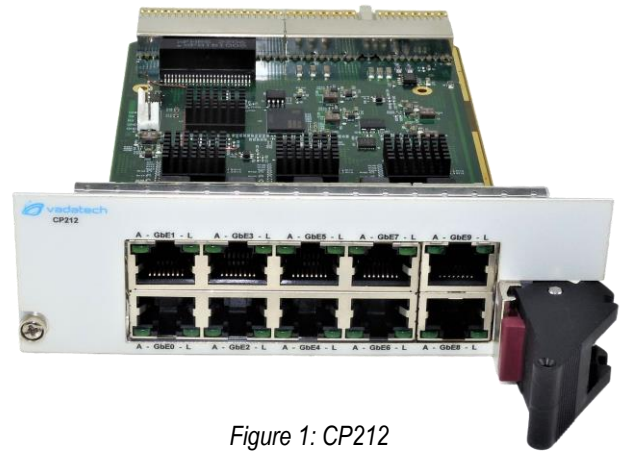


Figure 1: CP212



Figure 2: CP212



Figure 3: CP212 Front Panel View

Block Diagram

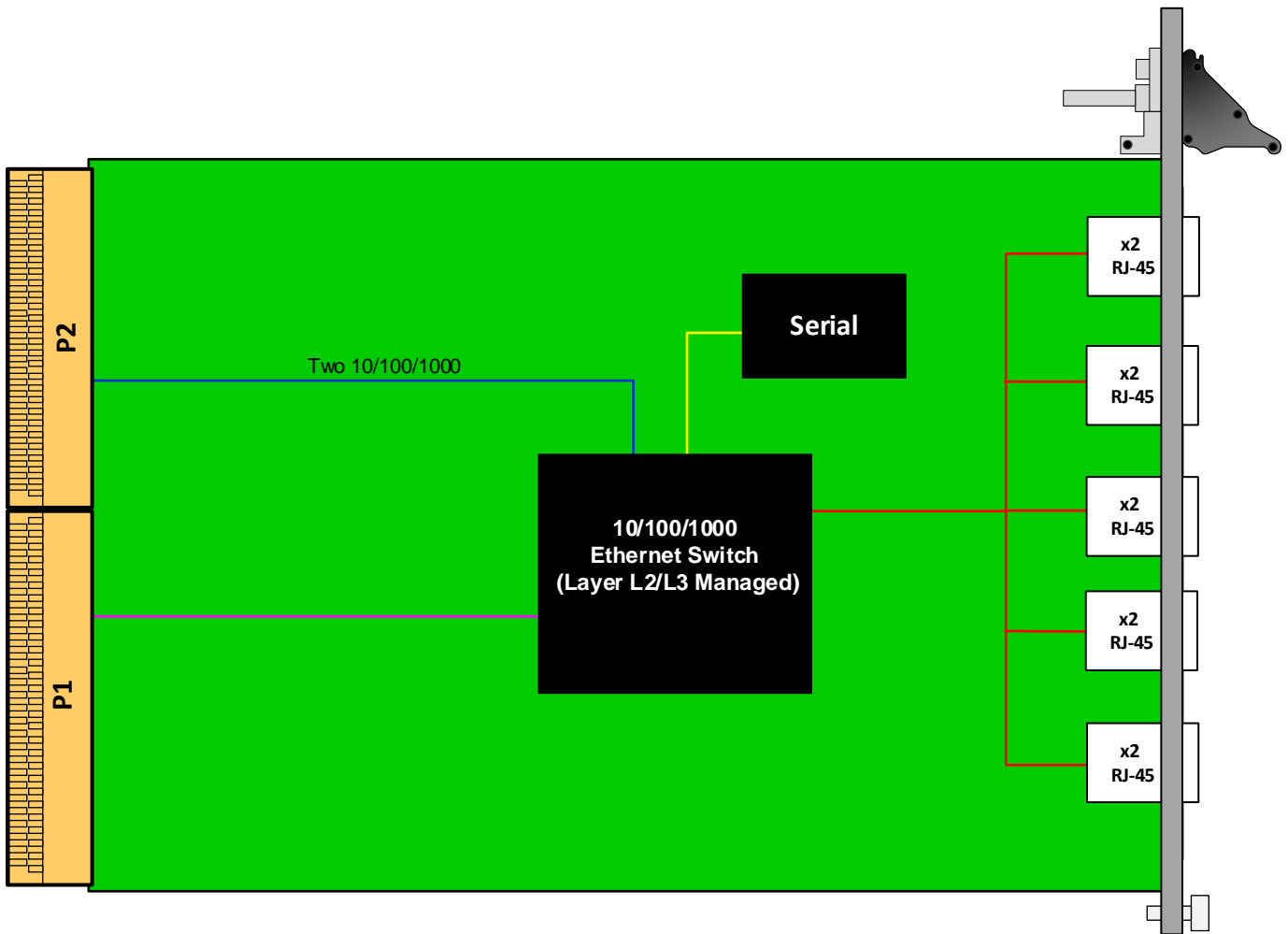


Figure 2: CP212 Functional Block Diagram

Specifications

Architecture	
Physical	Dimensions 3U, Double slot
Type	cPCI GbE 12 Ports 10/100/1000 per Port
Standards	
Compact PCI	Type cPCI
Configuration	
Power	CP212 ~6W
Environmental	Temperature See Ordering Options Storage Temperature: -40° to +90°C
	Vibration Operating 9.8 m/s ² (1G), 5 to 500 Hz on each axis
	Shock Operating 30G on each axis
	Relative Humidity 5 to 95% non-condensing
Front Panel	Interface Connectors RJ-45 (x10)
	LEDs Run/Fail and Link/Activity
	Mechanical Hot swap ejector handle
Software Support	Operating System Independent
Other	
MTBF	MIL Hand book 217-F@ TBD hrs
Certifications	Designed to meet FCC, CE and UL certifications, where applicable
Standards	VadaTech is certified to both the ISO9001:2015 and AS9100D standards
Warranty	Two (2) years, see VadaTech Terms and Conditions

INTEGRATION SERVICES AND APPLICATION-READY PLATFORMS

VadaTech has a full ecosystem of OpenVPX, ATCA and MTCA products including chassis platforms, shelf managers, AMC modules, Switch and Payload Boards, Rear Transition Modules (RTMs), Power Modules, and more. The company also offers integration services as well as pre-configured Application-Ready Platforms. Please contact VadaTech Sales for more information.

Ordering Options

CP212 – A00-000-0HJ

A = P2 Connector 0 = P2 Connector 1 = No P2 Connector		
		H = Operating Temperature 0 = Commercial 1 = Industrial
		J = Conformal Coating 0 = No coating 1 = Humiseal 1A33 Polyurethane 2 = Humiseal 1B31 Acrylic

Contact

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- Partnerships power innovation
- Collaborative approach
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We deliver complexity

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- Configurable solutions

We manufacture in-house

- Agile production
- Accelerated deployment
- AS9100 accredited



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