CP212

12 Port cPCI Managed Layer Two/Three Switch

CP212

Key Features

- 3U Compact PCI (cCPI) 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

vadatech
THE POWER OF VISION

CP212

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

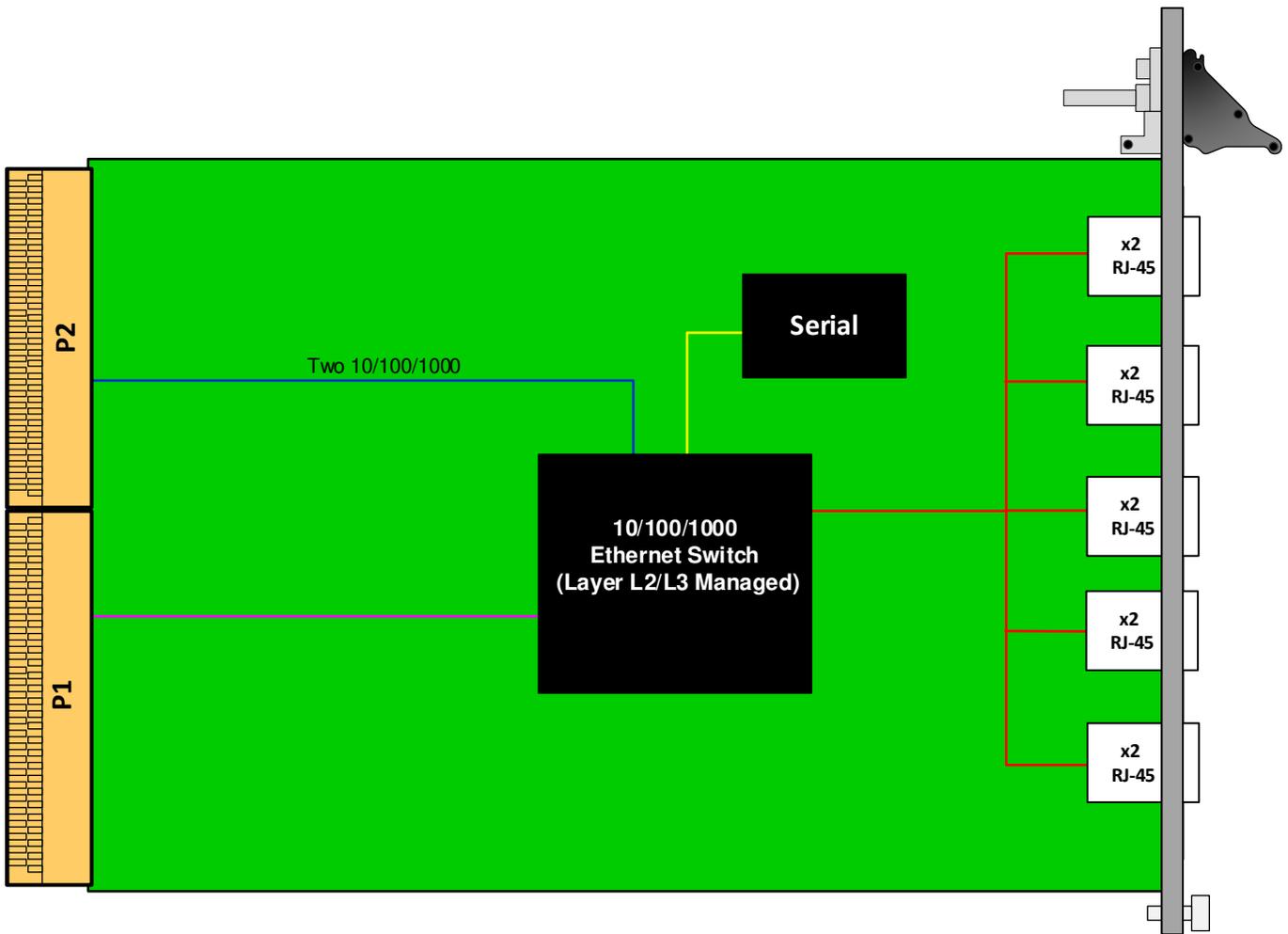*Figure 3: CP212 Front Panel View*

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		H = Operating Temperature
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

VadaTech Corporate Office

198 N. Gibson Road, Henderson, NV 89014
Phone: +1 702 896-3337 | Fax: +1 702 896-0332

Asia Pacific Sales Office

7 Floor, No. 2, Wenhu Street, Neihu District, Taipei 114, Taiwan
Phone: +886-2-2627-7655 | Fax: +886-2-2627-7792

VadaTech European Sales Office

VadaTech House, Bulls Copse Road, Southampton, SO40 9LR
Phone: +44 2380 016403

info@vadatech.com | www.vadatech.com

Choose VadaTech

We are technology leaders

- First-to-market silicon
- Constant innovation
- Open systems expertise

We commit to our customers

- Partnerships power innovation
- Collaborative approach
- Mutual success

We deliver complexity

- Complete signal chain
- System management
- Configurable solutions

We manufacture in-house

- Agile production
- Accelerated deployment
- AS9100 accredited

XILINX
ALLIANCE PROGRAM
CERTIFIED

vadatech
THE POWER OF VISION