CP211

12 Port cPCI Managed Layer Three Switch

CP211

Key Features

- 6U Compact PCI (cCPI) compliant
- Managed Layer L2/L3 Switch
- 12 Ports of 10/100/1000 via RJ-45
- 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 CP211 is a 6U single slot Compact PCI (cPCI) module that has 12 Ports of 10/100/1000 GbE via RJ-45 connectors.

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: CP211

Figure 2: CP211

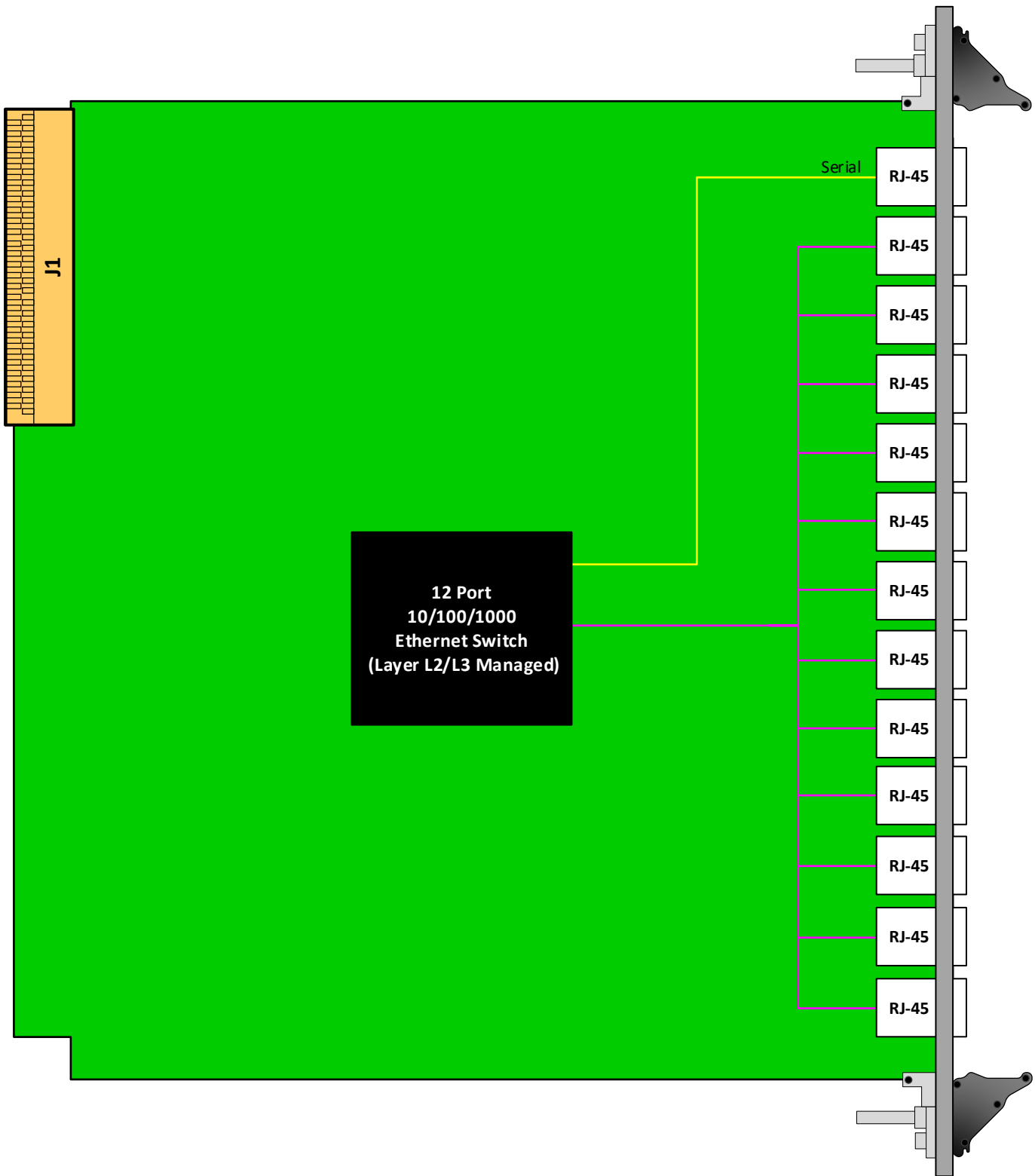*Figure 3: CP211 Front Panel View*

Block Diagram

Figure 2: CP211 Functional Block Diagram

Specifications

Architecture		
Physical	**Dimensions**	6U, Single slot on base board and Double slot with daughter card
Type	**cPCI**	GbE
		12 Ports
		10/100/1000 per Port

Standards		
Compact PCI	**Type**	cPCI

Configuration		
Power	**CP211**	~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 (x13)
	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

CP211 – 000-000-0HJ

		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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