4U CompactPCI Serial 42HP Chassis Platform

CPCIS4VC800

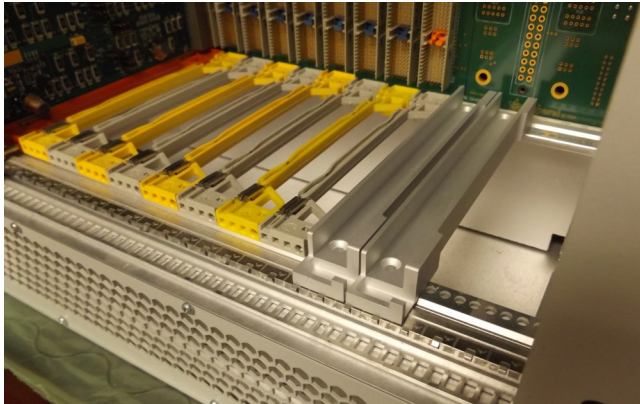**pixus** TECHNOLOGIES

CPCIS4VC800 KEY FEATURES

- 4U vertical-mount chassis platform that accepts 3U CompactPCI Serial boards (see other datasheet for OpenVPX version)
- Supports RTMs for rear I/O
- Up to 8 slots at 0.8" pitch
- Card guides can be adjusted in .2" increments to accept various slot pitches
- Bottom-to-top cooling configuration. Front-to-rear cooled version is also available.
- Fixed 350W ATX (other PSU options are available upon request)
- Low cost design
- Optional rubber "feet" for desktop applications
- Customization available

The CPCIS4VC800 is a 4U vertical-mount chassis that holds up to eight 3U slots at a 0.8" pitch. The modular card guides can be adjusted to allow 1.0" pitch or other spacing in .2" increments. The standard PSU is a fixed 350W ATX, but other options are available. Conduction-cooled card guides are also available for testing and development.

The CPCIS4VC800 has various power and backplane configuration options. Consult Pixus for off-the-shelf options and tailored configurations.

Pixus Technologies' products leverage Rittal's sleek European quality mechanical designs without the hefty price tag. Customers enjoy proven, time-tested designs that are built in one of the largest manufacturing centers for electronics packaging in the world. With Pixus' subsystem integration expertise, the result is the best value in the industry for electronics enclosure systems.

CONDUCTION COOLED CARD GUIDES

The conduction-cooled card guides allow modules with wedge locks to be plugged into the enclosure.

POWER SUPPLY SPECIFICATIONS — ATX VERSION

Output Specifications

Output Power	350W
Output Voltage & Current	'+3.3V@16;+5V@16A;+12V1@18A;+12V2@18A;12V@0.3;+5Vsb(DC)@3A
Efficiency (%)	85%
Main Connector	ATX (20 + 4PIN)

Mechanical

Form Factor	1U
Dimension (L x W x H)	150x81.5x40.5
Vibration	N/A
MTBF	200K
Fan Function	YES
Power Switch Function	NO

SUBRACK EXAMPLE — VERSION WITHOUT FAN TRAYS

This version has perforated top/bottom covers for an external fan.

SPECIFICATIONS

Architecture		
Physical	Dimensions	4U
		Width: 42HP (8.4")
		Depth ~250mm"
Type	CompactPCI Serial Chassis	Up to eight 3U CompactPCI Serial slots (at 0.8" pitch)
Standards		
CompactPCI Serial	Type	CPCI-S R 2.0
Configuration		
Power	CPCIS4VC800	Up to 350W supply AC, other options available
		110-240AC with frequency from 47-63Hz and DC –36V to -72V
Environmental	Temperature	Operating Temperature: 0° to 55°C
		Storage Temperature: -40° to +70°C
	Altitude	10,000ft operating
		40,000ft. Non-operating
	Relative Humidity	5 to 95 percent, non-condensing
Conformal Coating		Humiseal 1A33 Polyurethane
		Humiseal 1B31 Acrylic
Other		
MTBF	MIL Handbook 217-F@ TBD Hrs.	
Certifications	Designed to meet FCC, CE and UL certifications where applicable	
Standards	ISO9001:2015 and AS9100B:2004 standards	
Compliance	RoHS and NEBS	
Warranty	Two years	
Trademarks and logos	The Pixus Logo is a registered trademark of Pixus Technologies Inc. other registered trademarks are the property of their respective owners. Specs. subject to change without notice.	

ORDERING OPTIONS

CPCIS4VC800-ABC-DEF

A = Power Type

0 = no PSU

1 = 350W ATX AC, fixed

2 = Other

B = Backplane Slots

0 = 5 slots

1 = 8 slots

2 = Other

C = Backplane RTM Load

0 = No RTM connectors

1 = Partially loaded RTM connectors

2 = All RTM connectors loaded

3 = Other

DE = Backplane Configuration

XX = Consult factory for available configurations and 2-digit number code

F = Card Guides

0 = Standard card guides

1 = Conduction cooled module card guides

2 = Custom (mix of standard and conduction-cooled card slots)

Pixus Technologies Inc. USA (916) 297-0020   Canada (519) 885-5775
Email: sales@pixustechnologies.com   Website: www.pixustechnologies.com

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