

COTS CompactPCI™ Enclosure

High-Availability Enclosure with 8-slot PICMG® 2.1 R3.0 or 2.16 backplane



Features

- ◆ Footprint perfect for Telecom applications
- ◆ More versatile, feature-rich and cost-effective than competitive models
- ◆ 8-slot, 6Ux160mm card cage with 1101.10 extrusions and CompactPCI™ card guides
- ◆ Available with choice of 8-slot PICMG® backplanes: 2.1 R3.0 or 2.16
- ◆ 8-slot, 6Ux100mm direct plug-in Transition Module card cage
- ◆ Air-cooled system features positive air pressure design and removable filter
- ◆ High-RPM fans are installed onto individual removable brackets, making them Field Replaceable Units (FRU)
- ◆ Accommodates twin 6Ux8HP plug-in power supplies
- ◆ 5-slot peripheral bay features EMI/RFI-gasketed and hinged door with dual thumbscrews
- ◆ **RuSH™** System Health Monitor board optional
- ◆ VME64x version available. Contact your local Dawn representative or the factory for more information

Ordering Information

CompactPCI™ 8-slot PICMG® 2.1 R3 with dual plug-in power supplies.....11-1013901

CompactPCI™ 8-slot PICMG® 2.16 with dual plug-in power supplies11-1013902



Technical Specifications

Mechanical

Dimensions: 15.72" (9U) H x 11.73" D x 19" W (17.20" chassis width)

Chassis Materials/Finish: CRS/pre-plated and Aluminum 5052-H32/alodined or anodized

PCB Material: FR-406 and fully compliant with IPC-4101/26

PCB Design Construction: High-performance multilayer microstrip/stripline

Power and Ground Planes / Signal Planes: 2 oz copper / 1 oz. copper

Environmental

Storage/Operating Temperature: -20°C~+85°C / 0°C~+50°C @ <95% RH NC

MTBF: >150,000 hr operating at +40°C

Data Connectors

Compatibility: PICMG 2.0 Revision 2.1, IEC 60917 and IEC 61076-4-101 / 2.00mm pitch

Working Current: 1.5A per pin, maximum

Contact Resistance: 20mΩ, maximum

Contact Plating: 40μinch Gold over 100μinch Nickel

Power Supply Connector

Compatibility: DIN41612 Type F and meets PICMG 2.11 Revision 1.0

Continuous Working Current:

Positions 45, 46 and 47... 40A

Positions 1~20..... 28A

Positions 21~42..... 3A

Contact Material and Plating: Copper alloy with gold flash over nickel

350W Power Supply Specifications

Input: 90~264VAC @ 47-63Hz, 7.0A

Fusing: Internal line fuse

PFC: 0.99 line PFC typical @ 115VAC, full load

Inrush Current: Thermistor ~25°C cold start: 15Apk @ 115VAC; 30Apk @ 230VAC

Outputs: Contact Dawn for power supply specifications for other models

	+5V	+3.3V	+12V	-12V
Output Current	40 Amp	40 Amp	9 Amp	1 Amp
Line Regulation⁽¹⁾	≤1%	≤1%	≤1%	≤5%
Ripple and Noise⁽²⁾	50mV or 1%	50mV or 1%	50mV or 1%	50mV or 1%

(1) At sense point, over full AC input range and 0-100% output loading

(2) 50mV or 1%, max. whichever is greater

Dimensions

