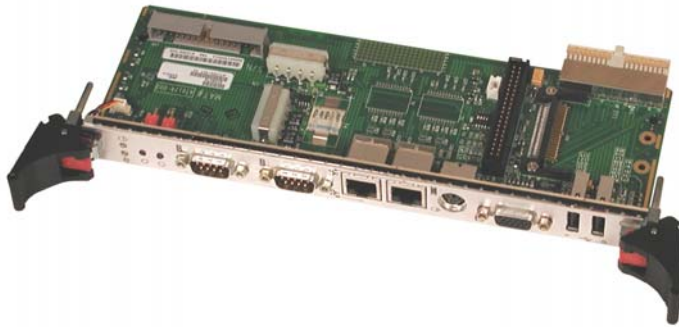


CompactPCI Rear-Panel Transition Module

cRT-455P



- 6U x 4HP, PICMG® 2.16 Compliant
- Rear Panel Interfaces:
 - Two USB Connectors
 - Video
 - PS/2 Keyboard/Mouse Combo Connector
 - Dual Ethernet Link & Activity Status LEDs
 - Two Serial Ports
- Floppy & IDE Headers
- Rear-Panel Reset and NMI Switches
- Rear-Panel LEDs (Hot Swap & IDE)
- Internal CompactFlash™ Interface
- cPB-4305, cPB-4321, and cPB-4325 Compatible

Diversified Technology's single-slot, 6U cRT-455P board provides rear panel access to the I/O functions of DTI's cPB-4305, cPB-4321, and cPB-4325 processor blades (single board computers). It easily snaps into the rear panel of the CPS series of PICMG 2.16-compliant CompactPCI system platforms such as the CPS-4801 4U general-purpose packet switched platform.

The cRT-455P routes all cabling out the back of a system, and provides access to two RS-232 serial port connectors, a PS/2 keyboard/mouse port (requires a "Y" splitter cable), as well as VGA video and USB signals from the host processor blade. The two rear panel Ethernet LEDs indicate link and status activity only, and do not provide connection for Ethernet cables. An internal, secondary IDE channel supports either two IDE devices simultaneously or one when a Type I/II CompactFlash card is installed. Power for the IDE device can be drawn from an onboard power connector (J8) when the supplemental power is available from an additional power connector (J9). A floppy drive connector and power connector are provided.

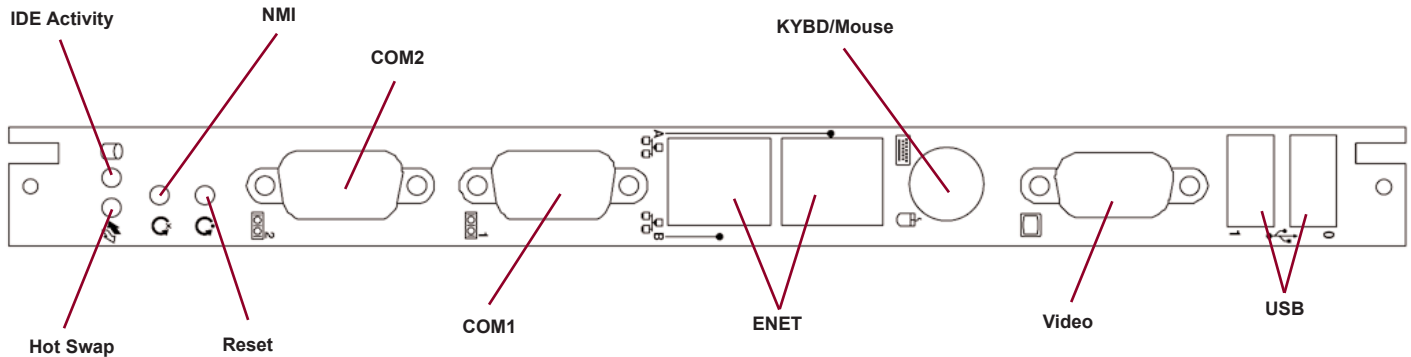
Two LEDs on the faceplate indicate IDE, HD or CompactFlash, device and hot swap activity. The BMC on the SBC sends information to the hot swap LED indicating when it is safe to remove the rear panel board. The cRT-455P features two push-button switches on the faceplate - one to reset the host SBC and one to issue a NMI. The lower ejector mechanism incorporates a hot swap ejector switch. The board carries a two-year warranty.



 **Diversified
Technology®**
An Ergon Co.

www.dtims.com
1.800.443.2667

cRT-455P Front Panel



SPECIFICATIONS

Mechanical

- 9.2" x 3.2" x 0.8" (233.35mm x 80mm x 20.32mm)
- 6U x 4HP
- 7.13oz (202g)
- J5: IEC-1076-4-101
- Conforms to PICMG 2.0 R3.0 (Core), 2.1 R2.0 (Hot Swap), 2.9 R1.0 (Management), and 2.16 R1.0 (PSB) specifications

Peripherals and I/O Interface

- Transitions I/O signals from processor blade for rear panel use via J5. 110-pin, 2mm x 2mm female connector

I/O Interface

Faceplate

I/O Interface	Compatibility
USB 0	4-pin USB, Type A
USB 1	4-pin USB, Type A
SVGA	15-pin, female, D-shell
PS/2 K/M	6-pin, DIN, PS/2
Ethernet A	8-pin, RJ-45, only link/activity LEDs active
Ethernet B	8-pin, RJ-45, only link/activity LEDs active
COM 1	9-pin D-shell, 16550
COM 2	9-pin D-shell, 16550

Internal

Floppy	34-pin PC/AT
EIDE	40-pin, male, Ultra DMA/33
CompactFlash	50-pin, type I/II
Speaker	2-pin, male
IDE/floppy	input power, 4-pin, female
IDE/floppy	output power, 4-pin, female

Power Requirements

Max Power Dissipation	*83W
ICC typ.	+5V <2A
	+12V * <6A
	+3.3V <200mA

*Spin up 2 drives simultaneously

Environmental

Operating

- Temperature: 0° to 70°C / 32° to 158°F
- Humidity (RNC): < 95% @ 40°C / 104°F

Storage and Transit

- Temperature: -40° to +85°C / -40° to 185°F
- Humidity (RNC): < 95% @ 40°C / 104°F

Regulatory Compliance

- Designed for NEBS/ETSI compliance
- CE Certification
- Safety: UL/cUL 60950; EN/IEC 60950; CB Report Scheme CB Certificate and Report
- EMC/EMI: FCC 47 CFR Part 15, Subpart B, Class B; EN55022, EN50081-1/CISPR22; Bellcore GR-1089; EN55024

Ordering Information

cRT-455P

Rear panel I/O transition module for use with cPB-4305, cPB-4321, and cPB-4325 processor blades. Includes 20" IDE/floppy drive power cable

Options

- IDE cable (80-conductor)
- PS/2 Keyboard/mouse Y-splitter cable



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