

cPCI-R6500 Series

6U CompactPCI® Rear Transition Module with AMD MXM Graphics Module



Features

- MXM 3.0 module with AMD Radeon™ E6760 GPU, 1GB GDDR5 VRAM
- DirectX 11, OpenGL 4.1 supported
- Supports dual independent DVI displays (DVI-I, DVI-D)
- Reserved space for 2.5" SATA drive

CompactPCI®

Specifications

Processor & System

MXM	MXM Graphic Module Version 3.0, Type A (70x82mm)
GPU	AMD® Radeon™ E6760 Graphics Controller Support OpenCL 1.1, DirectX 11 and Open GL 4.1, Shader 5.0
Memory	Integrated in MXM module with 1GB 128-bit GDDR5 memory interface Up to 600MHz engine clock and 800MHz memory clock

Connectivity

Graphics	PCI Express x4 lane interface One DVI-I, one DVI-D ports on front panel
Ethernet	Two LAN ports on front panel routed from CPU board
Audio	One 10-pin Mic-in/Line-in on board box header supported by Realtek ALC262 HD Audio codec
USB	One USB 2.0 ports on RTM panel One 10-pin USB 2.0 box header for USB 2.0 (cPCI-R6500D)
Serial Port	One RS-232/422/485 10-pin box header on board One 10-pin COM box header supports RS-232 TX/RX only
PS/2	One 10-pin Key board mouse box header on board PS/2 port on panel from 10pin header (cPCI-R6501D only)

Storage

SATA	Three 7-pin SATA signal connectors Space reserved for one onboard 2.5" SATA drive (cPCI-R6500D only)
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Operating System

OS	Microsoft Windows® 7, Server 2008 RedHat Enterprise Linux 6.3
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Mechanical & Environmental

Form Factor	6U 8HP CompactPCI Rear Transition Module 233.35mm x 80mm
Operating Temperature	Standard Temperature 0°C to +60°C (Extended Temperature -20°C to +70°C available upon request)
Storage Temperature	-40°C to +85°C
Power Consumption	Max. load 0.37A @5V, 1.90A @12V, total 24.65W when mate with cPCI-6520 measured by 3D Mark 11 Auxiliary power needed for operation 6-pin power cable provided for auxiliary power
Certification	CE/ FCC

Compatible CPU board

CPU boards cPCI-6530/cPCI-6520/cPCI-6210/cPCI-6510

Ordering Information

Model Number	Description/Configuration
cPCI-R6500D	2-slot (8HP) cPCI-R6500D with AMD Radeon E6500 MXM module, 2x GbE, 1x DVI-I, 1x DVI-D, 1x USB, reserved space for 2.5" SATA drive, 3x SATA (one used for onboard drive) and auxiliary power connector on board
cPCI-R6501D	2-slot (8HP) cPCI-R6501D with AMD Radeon E6760 MXM module, 2x GbE, 1x DVI-I, 1x DVI-D, 2x USB, PS/2 combo keyboard/mouse, 1x COM (RS-232/422/485) and auxiliary power connector on board

I/O Table

Model		GbE	USB 2.0	COM	DVI	SATA	Mic-in	Line-out	PS/2 KB/MS
cPCI-R6500D	Faceplate	2	1	-	2 ⁽¹⁾	-	-	-	-
	Onboard	-	1 (10-pin)	2 (10-pin)	-	3 ⁽³⁾ (7-pin)	1 (10-pin)	-	1 (10-pin)
cPCI-R6501D	Faceplate	2	2	1 ⁽²⁾ (DB-9)	2 ⁽¹⁾	-	-	-	1 (PS/2 combo)
	Onboard	-	-	1 (10-pin)	-	3 (7-pin)	1 (10-pin)	-	-

(1) One DVI-I (Digital + Analog), One DVI-D (Digital only)

(2) RS-232/422/485 selectable

(3) Space is reserved onboard for one 2.5" SATA drive