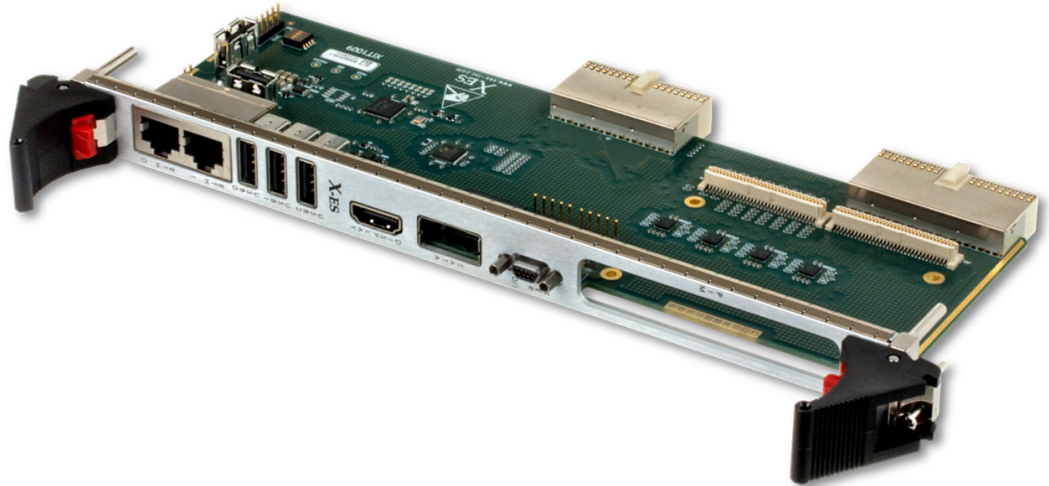


XIt1009

6U CompactPCI I/O Rear Transition Module RTM for SBCs

- › 6U transition module
- › One HDMI port
- › Two PICMG 2.16 10/100/1000BASE-T Ethernet ports
- › Supports one PIM (PMC I/O Module) interface to route PMC I/O out the rear panel
- › Three USB 2.0 ports
- › Two serial ports via one micro-DB-9 connector
- › Four SATA ports via one SAS connector
- › Two internal USB ports
- › Two internal serial ports
- › GPIO header in board



XIt1009

The XIt1009 is a 6U CompactPCI transition module which supports a variety of cPCI single board computers.

The XIt1009 supports an HDMI port for graphics, as well as two PICMG 2.16 10/100/1000BASE-T Ethernet ports, two RS-232 Serial ports, four SATA ports, and three USB ports. Internal connectors allow access to two additional USB ports, two serial ports, and GPIO.

The XIt1009 supports a PIM interface to bring P14 I/O from a PMC module out the rear panel. The PIM interface can be configured for either mezzanine site on the single board computer and can support all standard X-ES I/O modules.

X-ES

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PIM Support

- Supports standard PIM modules
- Option to have PIM connected to J3 or J5 PMC I/O

Graphics

- One external HDMI port
- Actively converts Dual-Mode DisplayPort to HDMI
- Option to pass DVI/HDMI straight through to HDMI connector

SATA

- One SAS connector supporting four SATA ports via breakout cable

Ethernet

- Two RJ-45 Gigabit Ethernet ports

USB

- Three external USB 2.0 ports
- Two internal USB 2.0 ports

Serial

- Two internal RS-232/422/485 serial ports
- Two rear panel RS-232 serial ports through single micro-DB-9 connector

Physical Characteristics

- 6U cPCI transition module form factor
- Dimensions: 233.35 mm x 80 mm

Environmental Requirements

Contact factory for appropriate board configuration based on environmental requirements.

- Supported ruggedization levels (see chart below): 1
- Conformal coating available as an ordering option

| Ruggedization Level | Level 1 | Level 3 | Level 5 |
|-----------------------|--|---|--|
| Cooling Method | Standard Air-Cooled | Rugged Air-Cooled | Conduction-Cooled |
| Operating Temperature | 0 to +55°C ambient (300 LFM) | -40 to +70°C (600 LFM) | -40 to +85°C (board rail surface) |
| Storage Temperature | -40 to +85°C ambient | -55 to +105°C ambient | -55 to +105°C (maximum) |
| Vibration | 0.002 g ² /Hz (maximum), 5 to 2000 Hz | 0.04 g ² /Hz (maximum), 5 to 2000 Hz | 0.1 g ² /Hz (maximum), 5 to 2000 Hz |
| Shock | 20 g, 11 ms sawtooth | 30 g, 11 ms sawtooth | 40 g, 11 ms sawtooth |
| Humidity | 0% to 95% non-condensing | 0% to 95% non-condensing | 0% to 95% non-condensing |

