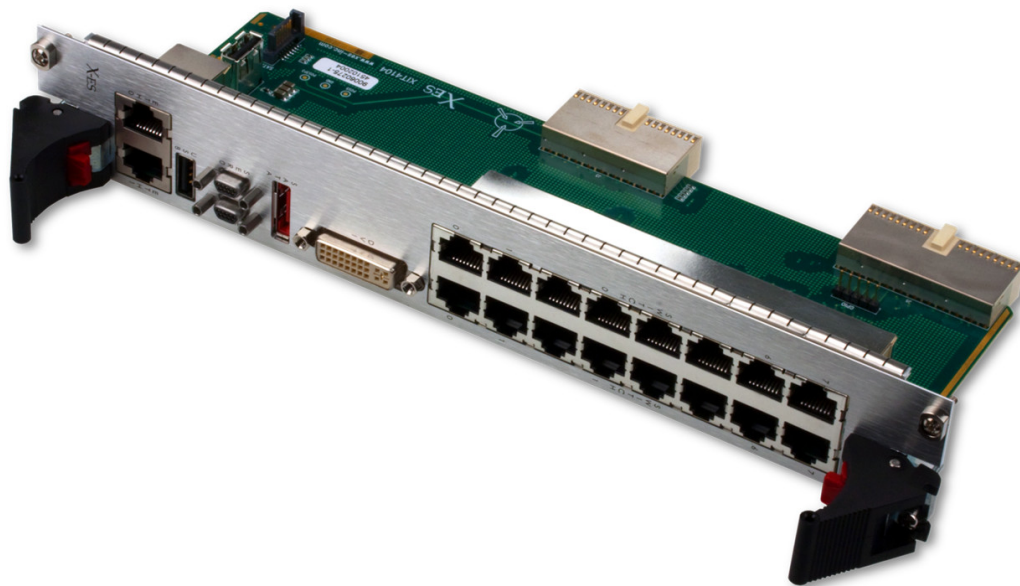


# XIt4104

6U CompactPCI I/O Transition Module for X-ES SBCs

- › 6U cPCI rear transition module
- › One dual-link DVI connector
- › Two PICMG 2.16 10/100/1000BASE-T Ethernet ports for module I/O
- › Sixteen 10/100/1000BASE-T Ethernet ports from mezzanine I/O
- › One USB 2.0 Type A connector and one internal Type A connector
- › One eSATA connector and one internal SATA connector
- › Two micro-DB-9 connectors for two RS-232/422/485 ports
- › GPIO header



## XIt4104

The XIt4104 provides an expansive array of I/O connectors for X-ES' XCalibur4101 6U cPCI SBC module hosting dual 8-port Ethernet switch mezzanines.

The XIt4104 shown above supports rear-panel connectors for two SBC Ethernet ports and 16 Ethernet ports from two mezzanines, one USB port, one DVI port, one eSATA port, and two RS-232/422/485 serial ports. Additional board connectors are provided for a second USB port and a second SATA port.

# X-ES

Extreme Engineering Solutions

*...Always Fast*

### Extreme Engineering Solutions

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**DVI Graphics**

- One external dual-link DVI connector

**SATA**

- One external eSATA connector
- One internal SATA connector

**Ethernet**

- Two RJ-45 Gigabit Ethernet connectors for module I/O
- Sixteen RJ-45 Gigabit Ethernet connectors for mezzanine I/O

**USB**

- One external USB Type A connector
- One internal USB Type A connector

**Serial**

- Two external micro-DB-9 serial connectors

**Physical Characteristics**

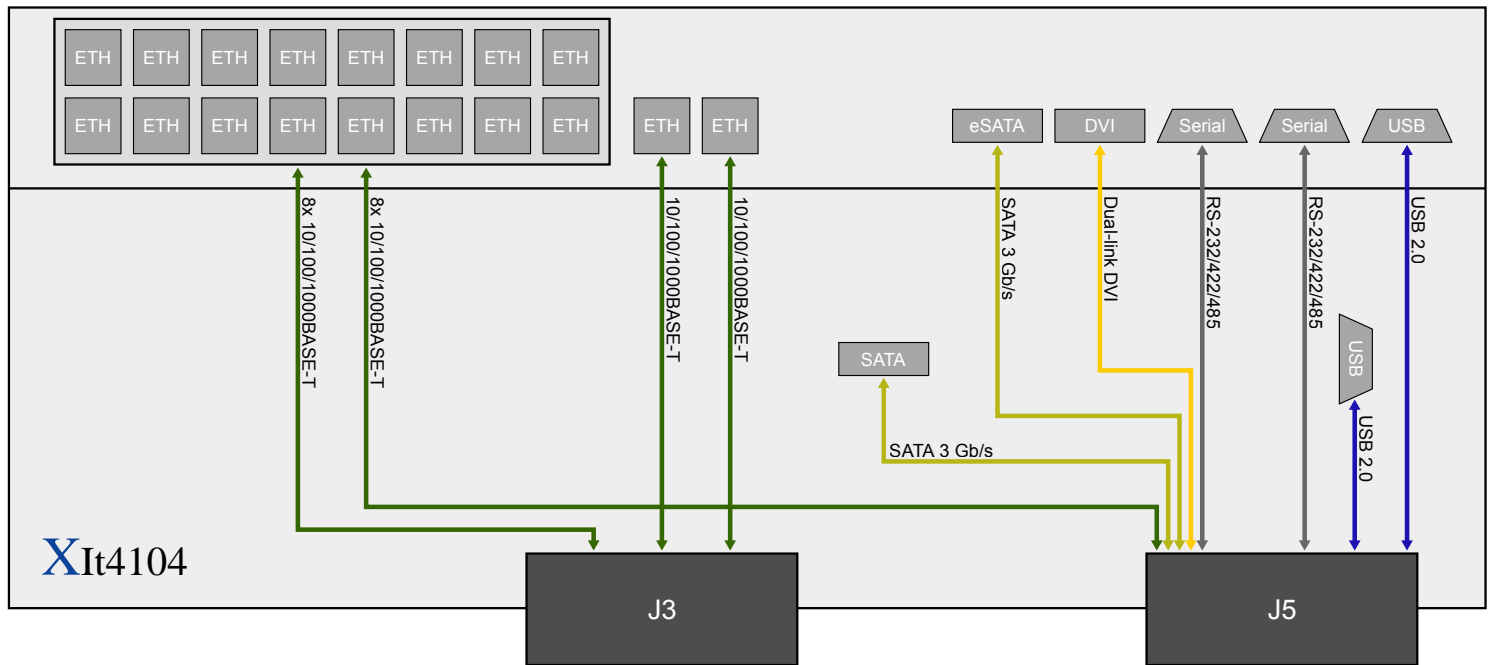
- 6U cPCI transition module form factor
- Dimensions: 233.35 mm x 80 mm

**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 <sup>2</sup> /Hz (maximum), 5 to 2000 Hz	0.04 g <sup>2</sup> /Hz (maximum), 5 to 2000 Hz	0.1 g <sup>2</sup> /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



XIt4104