

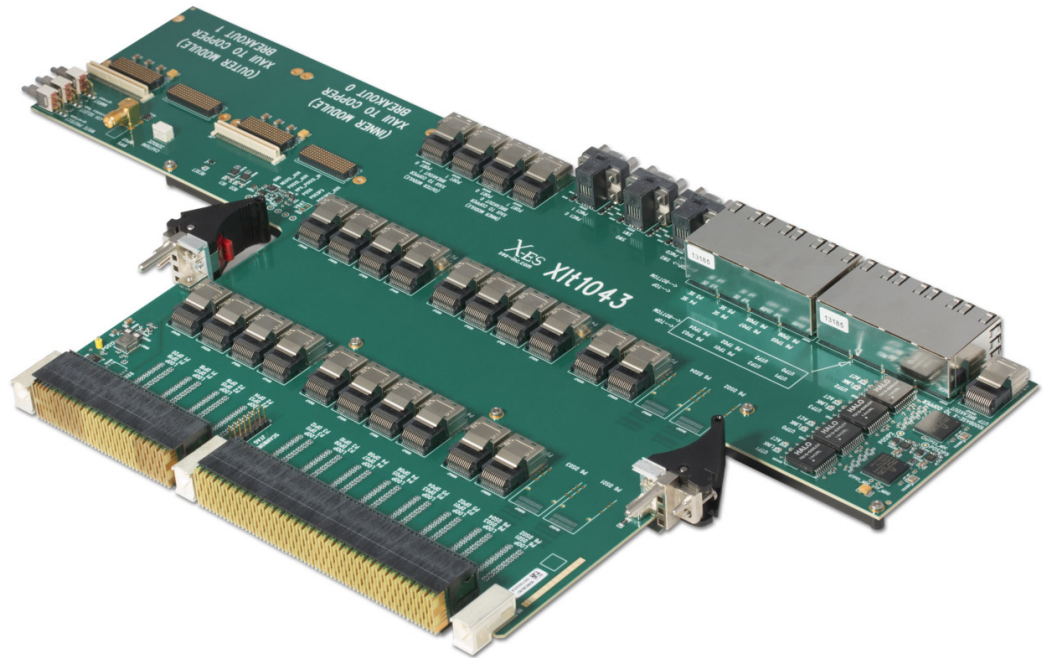
XIt1043

End of Life

6U VPX Rear Transition Module with iPass Connectors, Gigabit Ethernet, and SerDes-to-Copper Conversion

Please contact X-ES Sales

- › 6U VPX Rear Transition Module (RTM)
- › Twenty iPass connectors for fat pipes from RP0, RP1, RP2, RP3, RP4, and RP5
- › Four RJ-45 connectors for four 10/100/1000BASE-T Ethernet ports from single-ended pins on RP3, RP4, RP5, and RP6
- › Eight RJ-45 connectors for eight 10/100/1000BASE-T Ethernet ports from RP6
- › Four iPass connectors for fat pipes from RP6 (optional)
- › Support for 4x 1000BASE-X to 4x 1000BASE-T conversion
- › Support for 4x XAUI to 4x 10GBASE-T conversion
- › Six micro-DB-9 connectors for six RS-232 serial ports



XIt1043

The XIt1043 is a highly configurable 6U VPX Rear Transition Module (RTM), which supports I/O breakout from the XChange3100 6U VPX Ethernet switch and select X-ES 6U VPX single board computers (SBCs). When installed in the RTM slot of an appropriate 6U VPX backplane, the XIt1043 routes I/O signals from the switch's or SBC's rear panel to connectors on the XIt1043 so that the signals can be connected to external equipment.

The XIt1043 has twenty iPass connectors for fat pipes from RP0, RP1, RP2, RP3, RP4, and RP5, allowing the fat pipes to be connected in various network topologies using iPass cables. It also has four RJ-45 connectors for the four 10/100/1000BASE-T Ethernet ports from single-ended pins on RP3, RP4, RP5, and RP6. The RP6 connector can be configured to support eight additional 10/100/1000BASE-T Ethernet ports or four additional fat pipes.

The XIt1043 supports SerDes-to-copper conversion for both XAUI and 1000BASE-X signals. Two XIt3000 XMC I/O modules can be installed on the XIt1043 to convert a total of four XAUI signals to four 10GBASE-T signals. The XAUI signals are routed to the XIt3000 modules via iPass connectors. Similarly, four 1000BASE-X signals can be routed through an iPass connector and converted to 1000BASE-T by onboard Ethernet PHYs.

X-ES

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9901 Silicon Prairie Parkway • Verona, WI 53593
Phone: 608.833.1155 • Fax: 608.827.6171
sales@xes-inc.com • <https://www.xes-inc.com>

I/O Breakout

- Twenty iPass connectors for fat pipes from RP0, RP1, RP2, RP3, RP4, and RP5
- Four RJ-45 connectors for four 10/100/1000BASE-T Ethernet ports from RP3, RP4, RP5, and RP6
- Eight RJ-45 connectors for eight 10/100/1000BASE-T Ethernet ports from RP6 (optional)
- Four iPass connectors for fat pipes from RP6 (optional)
- Six micro-DB-9 connectors for six RS-232 serial ports

SerDes-to-Copper Conversion

- Two sites for two XIt3000 modules, each of which converts 2x XAUI to 2x 10GBASE-T via two iPass connectors
- 4x 1000BASE-X to 4x 1000BASE-T conversion via iPass connector

Physical Characteristics

- 6U VPX Rear Transition Module (RTM)

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
Cooling Method	Standard Air-Cooled
Operating Temperature	0 to +55°C ambient †
Storage Temperature	-40 to +85°C ambient
Vibration	0.002 g ² /Hz (maximum), 5 to 2000 Hz
Shock	20 g, 11 ms sawtooth
Humidity	Up to 95% non-condensing

† Contact factory for airflow rate details.

