

XPand1000

End of Life

3U VPX Two-Slot Conduction-Cooled Development System

Please see XPand1004

- › Supports two conduction-cooled 3U VPX slots
- › Integrated heatsink fins
- › Built-in cooling fans
- › Reset switch
- › J1 fabric A and B routed between slots
- › J1 and J2 RJ-45 Gigabit Ethernet connectors
- › J2 micro-DB-9 serial connectors



XPand1000

The XPand1000 system is a low-cost debug, development, and display platform for conduction-cooled 3U VPX cards. It supports up to two 3U VPX boards with direct Ethernet and serial I/O access to each slot.

The XPand1000 backplane provides high-speed differential routing between the two slots. The J1 fabric slots A and B are cross-connected between the two VPX slots. Ethernet and RS-232 serial I/O are routed to RJ-45 and micro-DB-9 connectors for easy access.

The XPand1000 is the ideal solution for rapid prototyping of next generation VPX designs.

X-ES

Extreme Engineering Solutions

*“Fast, Flexible, Customer-Focused
Embedded Solutions”*

Extreme Engineering Solutions

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

Connectors

- Two 3U VPX slots
- ATX power supply connector
- Four RJ-45 Ethernet connectors
- Two USB Type A connectors
- Two eSATA connectors
- Two micro-DB-9 connectors
- Two Mini-HDMI connectors for XMC video

Utility Functions

- Front panel reset switch
- Back panel power switch
- Back panel power rail LED indicators

Fabric Routing

- J1 fabric A and B routed between slots
- J1.D 1000BASE-BX routed between slots (optional)

I/O Routing

- J1 fabric D Ethernet routed to RJ-45 connectors
- J2 serial routed to micro-DB-9 connectors
- J2 Ethernet routed to RJ-45 connectors

External Power Supply

- ATX power supply

Maximum Power

- 100 W total

