

# XPand1003

**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 1000BASE-BX routed between slots
- › J2 RJ-45 Gigabit Ethernet connectors
- › J2 micro-DB-9 serial connectors



## XPand1003

The XPand1003 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 XPand1003 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 XPand1003 is the ideal solution for rapid prototyping of next generation VPX designs.

# X-ES

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### Extreme Engineering Solutions

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**Connectors**

- Two 3U VPX slots
- ATX power supply connector
- Four RJ-45 Ethernet connectors
- Four USB Type A connectors
- Four eSATA connectors
- Two micro-DB-9 connectors
- Two DisplayPort interface connectors

**Utility Functions**

- Back panel reset switch
- Back panel power switch
- Back panel power rail LED indicators
- DIP switches for NVMRO and Boot Flash selection

**I/O Routing**

- J2 serial routed to micro-DB-9 connectors
- J2 Ethernet routed to RJ-45 connectors
- DIP switches for configuring SATA and video output

**Fabric Routing**

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

**External Power Supply**

- ATX power supply

**Maximum Power**

- 100 W total

