XPand1010

End of Life

6U VPX Two-Slot Conduction-Cooled Development System

Please see XPand1011

- Two conduction-cooled 6U VPX slots
- Integrated heatsink fins
- Built-in cooling fans
- ATX power supply input
- Power and reset switches
- J1 fabric A, B, C, and D routed between slots
- J4 RJ-45 Gigabit Ethernet connectors
- J5 micro-DB-9 serial connectors
- J6 USB, SATA, and HDMI connectors

XPand1010

The XPand1010 system is a low-cost debug, development, and display platform for conduction-cooled 6U VPX cards. It supports up to two 6U VPX cards, each with direct I/O access via connectors on the backplane.

The XPand1010 backplane provides a high-speed backplane fabric - J1 ports A, B, C, and D are cross-connected between the two VPX slots. Ethernet, RS-232/422 serial, USB, SATA, and DVI signals are routed from each VPX slot to corresponding connectors on the front and rear panels.

The XPand1010's design allows for a compact, stand-alone development platform for X-ES 6U VPX SBCs The XPand1010 is the ideal solution for rapid prototyping of next generation 6U VPX designs where only a basic stand-alone system is needed.

X-ES
Extreme Engineering Solutions

"Fast, Flexible, Customer-Focused Embedded Solutions"

Connectors

- Two 6U VPX slots
- ATX power supply connector
- Four RJ-45 Ethernet connectors
- Four USB Type A connectors
- Four eSATA connectors
- Four micro-DB-9 connectors
- Two HDMI connectors
- 16 GPIO LEDs

Utility Functions

- Front panel reset switch
- Front panel power switch
- GPIO LED indicators

Fabric Routing

- J1 fabric A, B, C, D routed between slots

I/O Routing

- J4 GPIO routed to LEDs
- J4 Ethernet routed to RJ-45 connectors
- J5 serial routed to micro-DB-9 connectors
- J6 USB routed to vertical USB connectors
- J6 SATA routed to vertical eSATA connectors
- J6 DVI routed to HDMI connectors

External Power Supply

- ATX power supply

Maximum Power

- 100 W total