

XPand1300

3U VPX Air-Cooled Development Platform

- ▶ Desktop development system for air-cooled modules
- ▶ Supports up to fifteen 0.8 in. or twelve 1.0 in. pitch slots
- ▶ Standard VPX configurations in stock
- ▶ Compatible with multiple VITA 65 OpenVPX™ slot profiles
- ▶ Customizable with X-ES and third-party components
- ▶ Removable side panels for debug access
- ▶ Up to 20 CFM of airflow per slot
- ▶ RTM (Rear Transition Module) support for maximum I/O flexibility
- ▶ Front panel power and reset switches
- ▶ Front panel power and reset LEDs
- ▶ Up to 550 W of total simultaneous power
- ▶ 12 V, 5 V, 3.3 V, -12 V and 3.3 V_AUX
- ▶ 100-240 VAC, 50/60 Hz power input



XPand1300

The XPand1300 is a low-cost, flexible, development platform. This system supports up to fifteen 0.8 in. pitch or up to twelve 1.0 in. air-cooled VPX (VITA 48.1) modules. It provides 550 W of total simultaneous power, which can be distributed as up to 30 A on 12 V, up to 40 A on 5 V, up to 20 A on 3.3 V, up to 8 A on 3.3 V_AUX, and up to 2 A on -12 V. Up to 20 CFM of airflow is provided per slot.

X-ES platforms, including the XPand1300, provide a feature-rich solution for system development. RTMs provide maximum I/O flexibility and rapid system prototyping. Power and reset LEDs are provided for system status. A momentary push button and debug access are provided for reset and a switch is provided for DC power enable.

The XPand1300 is currently available for purchase in several rapid-development standard configurations. Custom configurations of modules, RTMs, and backplanes are also available utilizing X-ES and third-party components.

X-ES

Extreme Engineering Solutions

...Always Fast

Extreme Engineering Solutions

3225 Deming Way, Suite 120 • Middleton, WI 53562

Phone: 608.833.1155 • Fax: 608.827.6171

sales@xes-inc.com • <http://www.xes-inc.com>

Form Factor

- 3U VPX (VITA 48.2) 0.8 in. or 1.0 in. pitch
- 3U VPX (VITA 46.10)

Slots

- Fifteen 0.8 in. pitch slots
- Twelve 1.0 in. pitch slots

Power

- 550 W total simultaneous power
- Up to 30 A on 12 V
- Up to 40 A on 5 V
- Up to 20 A on 3.3 V
- Up to 2 A on -12 V
- Up to 8 A on 3.3 V_AUX

Cooling

- Up to 20 CFM per slot
- Standard configuration of 10 CFM per slot
- Removable side panels
- VITA 48.1 slot blockers (optional)

Physical Characteristics

- Dimensions: 11.6 in. (L) x 13.5 in. (W) x 13.5 in. (H)
- 19 lbs. with backplane and power supply

