

# XPand1200

## 3U VPX Conduction-Cooled Development Platform

- › Development platform for conduction-cooled modules
- › Supports 1.0" or 0.8" pitch VPX modules
- › Standard VPX configurations in stock
- › OpenVPX standards based
- › Customizable with X-ES and 3rd party components
- › RTM (Rear Transition Module) support for maximum I/O flexibility
- › Power and reset switches
- › Power and reset LEDs
- › Up to 550W of total simultaneous power
- › Up to 60W per slot at 30°C ambient and 70°C rail
- › 12V up to 50A
- › 5V up to 50A
- › 3.3V up to 25A
- › +/-12V\_AUX and 3.3V\_AUX
- › 110-240VAC, 50/60 Hz power input



### XPand1200

The XPand1200 is a low-cost flexible development platform. This platform supports up to ten 1" or 0.8" pitch conduction-cooled VPX (VITA 48.2) modules. 550W of total simultaneous power is provided, which can be distributed as up to 50A on 12V, up to 50A on 5V, and up to 25A on 3.3V. An efficient thermal design allows up to 60 W of power dissipation per slot at 30°C ambient, while maintaining 70°C at the modules' thermal interface.

X-ES platforms, including the XPand1200, 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 is provided for reset and a switch is provided for DC power enable.

The XPand1200 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 3rd party components. Please consult your X-ES sales contact today for your ideal rapid development solution.

# X-ES

Extreme Engineering Solutions

*...Always Fast*

### Extreme Engineering Solutions

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**Form Factor**

- 3U VPX (VITA 48.2) 1" or 0.8" pitch
- 3U VPX (VITA 46.10) RTM

**Slots**

- Ten 1.0" pitch slots
- Eight 1.0" pitch RTM slots

**Power**

- 110-240VAC, 50/60 Hz power input
- 550W total simultaneous power
- Up to 50A on 12V
- Up to 50A on 5V
- Up to 25A on 3.3V
- +/- 12V\_AUX
- 3.3V\_AUX

**Cooling**

- Up to 60W per slot at 30°C ambient and 70°C rail

**Physical Characteristics**

- 16.5 in (H), x 5.5 in (W), x 11.5 in (L)
- 20 lbs with backplane and power supply

