

XPand1301

3U CompactPCI Development Platform for Air-Cooled Modules

- ▶ Development platform for air-cooled modules
- ▶ Supports 0.8 in. or 1.0 in. pitch, air-cooled, CompactPCI modules
- ▶ Standard CompactPCI configurations in stock
- ▶ PICMG CompactPCI standards-based
- ▶ Customizable with X-ES and third party components
- ▶ Removable side covers for debug access
- ▶ Up to 20 CFM per slot
- ▶ RTM (Rear Transition Module) support for maximum I/O flexibility
- ▶ Power and reset switches
- ▶ Power and reset LEDs
- ▶ Up to 482 W of total simultaneous power
- ▶ Two VITA 62 power slots
- ▶ 12 V up to 16 A
- ▶ 5 V up to 40 A
- ▶ 3.3 V up to 20 A
- ▶ 110-240 VAC, 50/60 Hz power input



XPand1301

The XPand1301 is a low-cost, flexible, development platform. This platform supports up to eight 0.8 in. or 1.0 in. pitch, air-cooled, CompactPCI modules. It provides 482 W of total simultaneous power, which can be distributed as up to 16 A on 12 V, up to 40 A on 5 V, and up to 20 A on 3.3 V. The XPand1301 can provide up to 20 CFM of air flow per slot.

X-ES platforms, including the XPand1301, are a feature-rich solution for system development. RTMs provide maximum I/O flexibility and rapid system prototyping. Power and reset LEDs indicate system status. The XPand1301 also features a momentary push button for reset, as well as a switch to enable DC power.

The XPand1301 is 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

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Form Factor

- 3U CompactPCI 0.8 in. or 1.0 in. pitch
- 3U CompactPCI RTM

Slots

- Ten 1.0 in. pitch slots (including power supply slots)
- Eight 1.0 in. pitch RTM slots

Power

- 110-240 VAC, 50/60 Hz power input
- 482 W total simultaneous power
- Up to 16 A on 12 V
- Up to 40 A on 5 V
- Up to 20 A on 3.3 V
- Please consult factory for additional power options

Cooling

- Up to 20 CFM per slot
- Standard configuration of 10 CFM per slot
- Removable chassis side panels

Physical Characteristics

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

