

XPand1301

End of Life

3U CompactPCI Development Platform for Up to Eight Air-Cooled Modules

Please contact X-ES Sales

- ▶ Development platform for air-cooled modules
- ▶ Supports eight 0.8 in. or 1.0 in. pitch air-cooled cPCI modules
- ▶ Standard CompactPCI configurations available
- ▶ PICMG CompactPCI standards-based
- ▶ Customizable with X-ES and third-party components
- ▶ Rear Transition Module (RTM) support for maximum I/O flexibility
- ▶ Removable side panels for debug access
- ▶ Up to 20 CFM of airflow per slot
- ▶ Front panel power and reset switches
- ▶ Front panel power and reset LEDs
- ▶ Up to 550 W of total simultaneous power
- ▶ Up to 60 W per slot at 30°C ambient
- ▶ Two VITA 62 power slots
- ▶ 12 V up to 8 A
- ▶ 5 V up to 80 A
- ▶ 3.3 V up to 40 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 550 W of total simultaneous power, which can be distributed as up to 8 A on 12 V, up to 80 A on 5 V, and up to 40 A on 3.3 V. The XPand1301 can provide up to 20 CFM of airflow per slot.

X-ES platforms, including the XPand1301, are a feature-rich solution for system development. Rear Transition Modules (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

9901 Silicon Prairie Parkway • Verona, WI 53593
 Phone: 608.833.1155 • Fax: 608.827.6171
 sales@xes-inc.com • <https://www.xes-inc.com>

Form Factor

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

Slots

- Eight 0.8 in. or 1.0 in. pitch RTM slots
- Eight 0.8 in. or 1.0 in. pitch payload slots
- Two 0.8 in. or 1.0 in. pitch power slots

Power

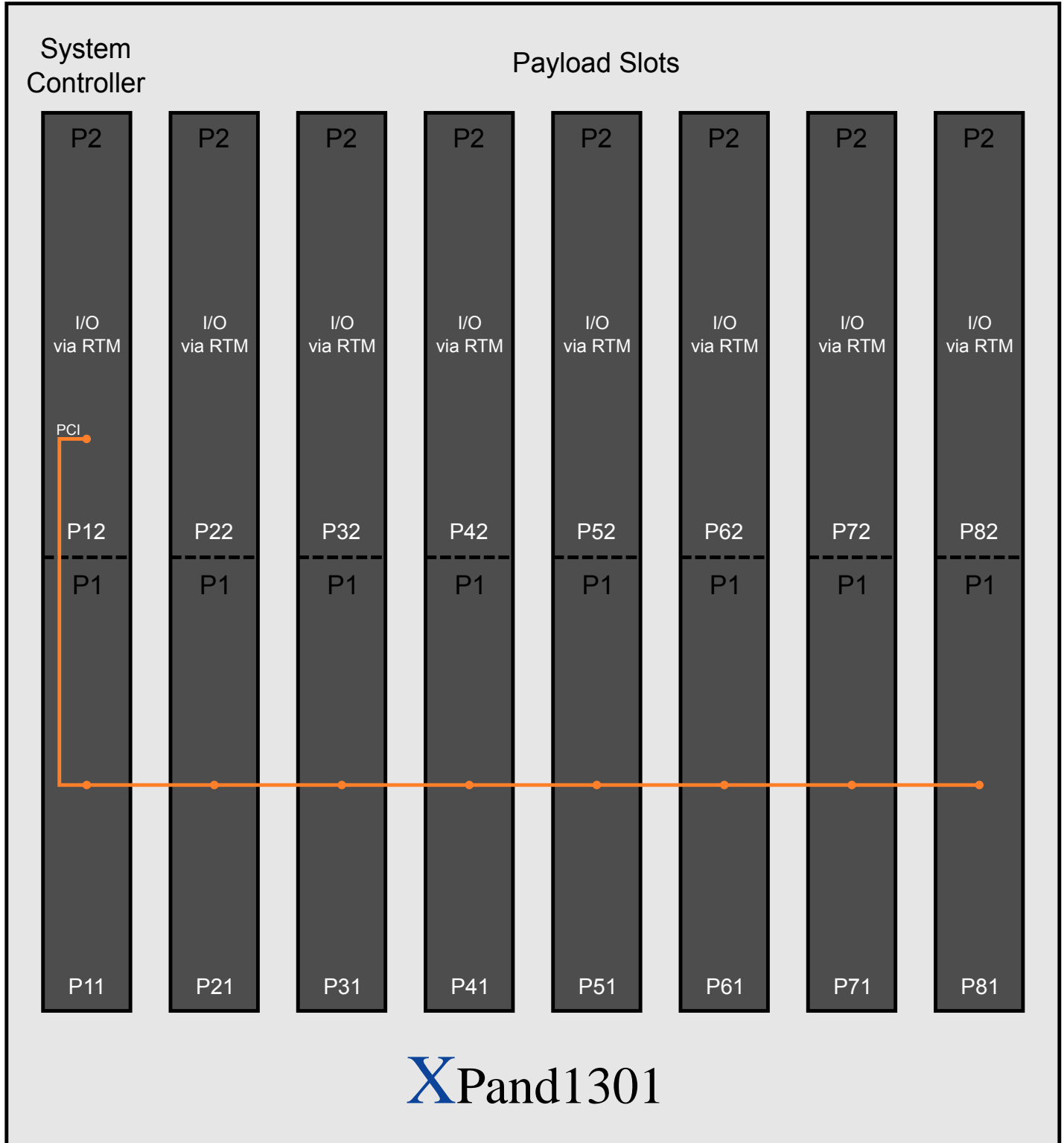
- 110-240 VAC, 50/60 Hz power input
- 550 W total simultaneous power
- Up to 8 A on 12 V
- Up to 80 A on 5 V
- Up to 40 A on 3.3 V
- Up to 3 A on -12 V
- Up to 12 A on 3.3 V_AUX
- Up to 32 A on PCI_VIO

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



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