

# XPand1300-1

## 3U VPX Air-Cooled Development System

### System Features

- Desktop development platform for 3U VPX air-cooled modules
- OpenVPX compliant
- Rapid I/O configuration via RTM modules
- Removable side covers for debug access
- Star PCIe and Gigabit Ethernet topologies
- PCIe and Gigabit Ethernet switch included
- 550W of total power

### Chassis / Power Supply

- 1-in slot pitch
- Integrated high-capacity cooling system
- Diagnostic power and reset LEDs
- Reset and power switches
- 100-240V AC, 50/60-Hz power input
- 550W of total simultaneous power
- 20 CFM per slot

### Backplane

- X-ES XTend4130
- Centralized data and control planes
- Data plane topology: single/dual PCIe star
- Control plane topology: single/dual Gigabit Ethernet star
- Six payload slots
- Two switch slots
- Two optional power supply slots

### Switch Module / RTM

- X-ES XChange3012 / XIt3012
- Six Fat Pipe (x4) PCI Express ports
- Six Ultra Thin Pipe SerDes Ethernet ports
- Dual external 10/100/1000BASE-T Ethernet ports
- XMC (VITA 42.3) slot with x8 PCIe port



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The XPand1300-1 3U air-cooled module development platform satisfies the need for a one-stop rapid development platform. X-ES development systems are designed to be OpenVPX compliant, which ensures compatibility with the next generation of VPX technologies. To increase I/O flexibility, low-cost Rear Transition Modules (RTMs) are utilized to allow quick and easy access to backplane signals.

Included with the XPand1300-1 is the XChange3012, a high-performance PCIe and Gigabit Ethernet switch module. This module provides x4 PCIe and SerDes Gigabit Ethernet connectivity between the six node slots. In addition, a local XMC site provides optional management control and maintenance.

The XPand1300-1 can be coupled with X-ES processor, storage, and I/O modules to provide an integrated information-processing platform. Companion RTMs are also available for all X-ES modules, allowing quick and easy customization of interconnect. In addition, third-party module integration services are available. Please consult your X-ES sales contact today for your ideal rapid-development solution.

# X-ES

Extreme Engineering Solutions

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### Extreme Engineering Solutions

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