



## Press Release

***For immediate release***

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### **Extreme Engineering Solutions (X-ES) is Now Shipping XPand1300 and XPand1200: 3U VPX / cPCI Air-Cooled and Conduction-Cooled Module Development Systems**

**Middleton, WI – November 5, 2009** – Extreme Engineering Solutions (X-ES) is the first to ship OpenVPX™ compliant 3U development systems: XPand1200, a development platform for conduction-cooled modules, and XPand1300, a development platform for air-cooled modules. Both are designed to support a minimum of ten 0.8" or 1.0" pitch slots and built in accordance with OpenVPX design principles.

**XPand1200: Conduction-Cooled Development System** – Featuring rapid I/O configuration via RTM modules, star PCIe and Gigabit Ethernet topologies, and including PCIe and Gigabit Ethernet switch. The XPand1200 supports up to 550 W of total simultaneous power delivery and a thermal dissipation of up to 50 W per slot. Weighing 38 lbs (including backplane and power supply) and measuring 8.5" (H) x 11" (W) x 13" (L), the XPand1200 is designed to make the path from conduction-cooled development to deployment effortless.

**XPand1300: Air-Cooled Development System** – Featuring rapid I/O configuration via RTM modules, removable side covers for debug access, star PCIe and Gigabit Ethernet topologies, and including PCIe and Gigabit Ethernet switch. Up to 20 CFM of air-flow is provided per slot as well as 550 W of total simultaneous power delivery. The XPand1300 provides the system developer maximum performance and flexibility; weighing only 19 lbs (including backplane and power supply) and measuring 13.5" (H) x 13.5" (W) x 11.6" (L).

**System Components** - The XPand1200-1 and XPand1300-1 system configurations come standard with backplane, switch and RTM for \$7,500:

- [XTend4130](#): Development backplane with centralized switching and leaf node support
- [XChange3012](#): PCIe and Gigabit Ethernet switch with XMC and management support
- [XIt3012](#): RTM for XChange3012 with DB-9 and two RG-45 connectors

XPand1200 and XPand1300 can be coupled with high-performance, low-power 3U VPX or cPCI X-ES single-board computers (SBC), storage, I/O, and companion RTMs, such as:

- [XPedite7170](#): Intel® Core™2 Duo processor based 3U VPX SBC

- [XPedite5370](#): Freescale dual-core MPC8572E PowerQUICC® III processor based 3U VPX SBC
- [XPedite5170](#): Freescale dual-core MPC8640D (with AltiVec) processor based 3U VPX SBC
- [XPedite7130](#): Intel® Core™2 Duo processor based 3U cPCI SBC
- [XPedite5130](#): Freescale dual-core MPC8640D (with AltiVec) processor based 3U cPCI SBC
- [XPedite5330](#): Freescale dual-core MPC8572E PowerQUICC® III processor based 3U cPCI SBC
- [XPort6170](#): 3U VPX Removable SATA Solid State Drive (SSD) Solution
- [XPm2000](#): MIL-STD-704 28V input to ±12V, 5V, and 3.3V output power supply
- [Xlt1070](#): RTM for X-ES processor SBCs

“Our customers have asked for a rapid software and hardware evaluation system,” states Ben Klam, VP of Engineering. “The XPand series of development systems exceed this requirement by allowing production modules to be used in a cost-effective evaluation and demonstration setting,” Mr. Klam adds.

**Pricing and Availability** - The XPand1200-1 and XPand1300-1 system configurations are available now for \$7,500, including backplane, switch and RTM. Each system has been designed with the flexibility to accommodate unique I/O requirements with standards based products. Please contact X-ES to discuss a solution that will meet and exceed your processing, I/O and power requirements.

**About Extreme Engineering Solutions, Inc.** - Extreme Engineering Solutions, Inc. (X-ES) designs and builds chassis, single-board computers, I/O, power, backplane, and system-level products within the embedded computer industry. X-ES offers cutting-edge performance and flexibility in design plus an unparalleled level of customer support and service. For further information on X-ES products or services, please visit our website: [www.xes-inc.com](http://www.xes-inc.com) or call (608) 833-1155.

Spec Sheets: [XPand1200-1](#) and [XPand1300-1](#)

Press Photo: [XPand1200 Photo](#) and [XPand1300 Photo](#)

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