



Press Release

For immediate release
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X-ES Unveils Convection-Cooled Sub-½ ATR Box for Rugged Military Applications

Middleton, WI – April 27, 2011 – Extreme Engineering Solutions, Inc. (X-ES) announces the immediate availability of the [XPand5200](#), a convection-cooled sub-½ ATR box that provides both convection-cooling and conduction-cooling to conduction-cooled payload cards. Both 3U CompactPCI and 3U VPX backplanes are supported by the [XPand5200](#). Meeting the rigorous MIL-STD-810 standards, the [XPand5200](#) is a sub-½ ATR solution for deployed systems in the harshest environments.

The [XPand5200](#) features include:

- ½ ATR natural convection-cooled and conduction-cooled chassis (reduced height and length)
- Four conduction-cooled 0.8-inch slots
- Physical dimensions of 4.88 in. (W), 5.65 in. (H), 10.30 in. (L)
- 3U VPX and cPCI backplanes available
- Up to three D38999 front panel I/O connectors (configurable)
- Integrated MIL-STD-704-compliant, 28V DC power supply
- MIL-STD-461 E/F EMI filtering
- Optional internal holdup of up to 100 ms at 70 W
- Foldable front panel handle
- Environmentally sealed
- Integration services with third-party modules available

The [XPand5200](#) rounds out X-ES's sub-1/2 ATR systems for 3U conduction-cooled payload modules to provide customers with a full range of rugged systems deployed in harsh environments:

- Conduction-cooled [XPand3200](#): 4.88 in. (W), 5.62 in. (H), 8.75 in. (L)
- Forced air-cooled [XPand4200](#): 4.88 in (W), 6.0 in (H), 13.5 in (L)
- Convection-cooled [XPand5200](#): 4.88 in. (W), 5.65 in. (H), 10.30 in. (L)

“We have seen demand for [XPand5200](#)-based systems as rugged Network Attached Storage (NAS) appliances; since solid state storage generates very little heat, it is well suited to natural convection-cooling,” states Bret Farnum, VP Sales. “We can provide a total of 3.5 TB of solid state Network Attached Storage in our [XPand5200](#) populated with an Intel or Freescale SBC.”

About X-ES — 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 or call (608) 833-1155.

Data Sheet: <http://www.xes-inc.com/products/view/xpand5200/>

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