



## Press Release

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### T1/E1/J1 PMC Module Goes Conduction Cooled

**Extreme Engineering offers Asterisk™ software on -40°C to +85°C telecommunications platform.**

Madison, WI June 1, 2006 – The harshest environments destroy embedded hardware with extreme cold, heat, shock and vibration. Yet **XPort2001** survives, in fact excels, in these environments providing telecommunications support for multiple protocols and interfaces through the industry's first conduction cooled PowerQUICC II based platform supporting the Asterisk™ PBX.

**XPort2001** is an intelligent communications controller targeting high performance communications applications, supporting fully channelized HDLC and transparent protocols over four software configurable T1/E1/J1 interfaces. Software configurability allows system designers to change the type of port or protocol support on the fly – eliminating the need for manual dip switches or jumpers. Add CSU/DSU support plus optional Signaling System 7 (SS7) software – and XPort2001 can fly, or be grounded, in nearly any telecommunications system location.

**XPort2001** also brings Asterisk™ support to Freescale Semiconductor's PowerQUICC II family of processors. Extreme Engineering offers Asterisk™ support through a driver implementing the Zaptel interface on Linux. This enables, for example, an ISDN Primary Rate Interface (PRI) to run over a traditional T1/E1 connection to your Asterisk™ PBX. Linux and VxWorks Board Support Packages are also available.

**XPort2001** key features include:

- Conduction Cooled T1/E1/J1 PMC Module (conforms to ANSI/VITA 20-2001 (R2005)),
- Freescale MPC8270 Power QUICC II processor to 450MHz,
- Asterisk™ software includes: Zaptel Interface driver, ISDN Primary Rate Interface and H.323, SIP, IAX2 VOIP Protocol Support,
- 32 - 256 MB of DDR SDRAM, 16 - 64 MB FLASH,
- Four T1/E1/J1 ports off P14 connector,
- Power Requirements of less than 4W,
- Extreme's guaranteed 4 hour response time to technical questions.

*more*

“XPort2001 pushes the environmental limits of T1/E1/J1 hardware and opens new capabilities for telecommunications system architects,” states Bret Farnum, VP of Sales for Extreme Engineering. “The hardware design is cool, but the Asterisk™ software makes XPort2001 an extremely versatile module and eliminates layers of protocol software purchases.”

CompactPCI development platforms for XPort2001 are available from Extreme Engineering, allowing software engineers to jump start any development efforts with access to all the I/O ports from a rear transition module. The XPort2001 data sheet is located at: <http://www.xes-inc.com/Products/XPort2001/XPort2001.html>

### **Product Pricing and Availability**

XPort2001 is part of Extreme Engineering’s “Ship Today” program and available immediately with Linux, Asterisk™ drivers and VxWorks BSP’s. Single quantity pricing for XPort2001 starts at \$3,995 with OEM pricing below \$2,000 – depending on yearly customer volume, memory configuration and processor clock speed.

### **About Extreme Engineering Solutions, Inc.**

Extreme Engineering Solutions (X-ES, Inc.) was founded in 2002 with the focus of building high performance processor and I/O products within the embedded computer industry. The goal of X-ES is to offer cutting edge performance and flexibility in design and an unparalleled level of customer support and service. For further information on products or services, please visit our website: [www.xes-inc.com](http://www.xes-inc.com) or call (608) 833-1155 x400.

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For a high resolution photo of XPort2001, visit: [http://www.xes-inc.com/photos/XPort2001\\_highres.jpg](http://www.xes-inc.com/photos/XPort2001_highres.jpg)

For a 300dpi x 300dpi photo of XPort2001, visit: [http://www.xes-inc.com/photos/XPort2001\\_medres.jpg](http://www.xes-inc.com/photos/XPort2001_medres.jpg)

For a 150dpi x 150dpi photo of XPort2001, visit: [http://www.xes-inc.com/photos/XPort2001\\_lowres.jpg](http://www.xes-inc.com/photos/XPort2001_lowres.jpg)