Parvus Unveils the Switch104â„¢, a Low-Power 5-Port PC/104 Fast Ethernet Switch Rated for Extended Temperatures

Highly Reliable, Rugged 10/100 Switching Hub from Parvus Designed for Embedded Computer Systems

Salt Lake City, UT (PRWEB) February 18, 2005 -- Parvus Corporation today unveiled the Switch104â„¢, a rugged 5-port PC/104 Fast Ethernet switching hub featuring very low power dissipation (1.5 watts typical) and highly reliable extended-temperature operation up to +85°C (185°F).

Supporting auto-MDI-MDIX network installation, the Switch104 is designed for simple plug-and-play operation, enabling up to five embedded computing devices to be networked together using 10BaseT or 100BaseTX Local Area Network (LAN) connections. Fully IEEE 802.3 and IEEE 802.3u compliant, its five transceiver ports are flexibly designed so that any port can serve as an uplink.

The Switch104 can either be used as a standalone network switch (no processor board required) or in combination with embedded systems that support a PC/104 (ISA) bus. The board integrates fully independent media access controllers (MACs), an embedded frame buffer memory, and a high-speed address look-up engine, along with support for auto-crossover, auto-polarity, auto-negotiation, auto-speed sensing, and bridge loop prevention.

This compact Ethernet switch is ideally suited to space-constrained, high reliability aviation, industrial, military, and transportation applications. The unit is only 3.550Â” x 3.775Â” (90x96 mm) in size, and it boasts a very high MTBF of 1.51 million hours. Network connections are made through either onboard RJ-45 jacks or via right-angle 4-pin Molex connectors if panel mounting the RJ-45 jacks into a faceplate, endplate or enclosure. Power can be applied through either the PC/104 bus or through a 2-pin power connector if not installed in a PC/104 system. Mounting holes are also included to facilitate simple installation.

Pricing and Availability
The Switch104 is now in stock and is priced at less than $130/each in volume orders of 100+ units.

About Parvus
Since 1983, Parvus Corporation has been a strategic systems engineering and development partner for aerospace, defense, transportation, and industrial OEMs. Specializing in the rapid design and production of turnkey embedded computing solutions for harsh environments, Parvus leverages extensive expertise in systems integration and a complete line of rugged PC/104, PC/104-Plus, and PCI-104 computer modules to ensure high reliability and accelerate time-to-market for its customers.

Visit www.parvus.com or call 801.483.1533 for more information.

Note to Editors
A high-resolution photo of this product can be downloaded at www.parvus.com/news.

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