

Curtiss-Wright Controls Debuts Dual-Channel Gigabit Ethernet PMC Card

Available in Air-Cooled or Conduction-Cooled Versions, the PGE2 Speeds High-Performance Network Technology Insertion

San Diego CA -- November 14, 2005 – Curtiss-Wright Controls Embedded Computing has introduced the **PGE2**, a new dual-port Gigabit Ethernet (GigE) PMC card. Powered by an Intel 82546EB Gigabit Ethernet Controller, the PGE2 is fully compatible with legacy 10/100BASE-TX networks and simplifies the addition of GigE networking into existing VME, CompactPCI or PCI embedded systems.

“Gigabit Ethernet is quickly moving onto Defense and Aerospace platforms,” said Lynn Patterson, vice president and general manager of Modular Solutions, Curtiss-Wright Controls Embedded Computing. “The PGE2 is ideal for embedded system designers who want high bandwidth data communications, but don’t want to waste valuable slots.”

This new GigE PMC card is available in both air-cooled and conduction-cooled versions. The air-cooled PGE2 comes with a standard operating temperature of 0° to +50° C. It supports either single or dual 10/100/1000BaseTX using standard RJ-45 connectors or optical 1000BaseLX interfaces with LC-type fiber connectors.

An extended-temperature air-cooled range version is also available, and operates at -40° to +71° C, using forced air cooling. The conduction-cooled version of the card is specified for operation over a range of -40° to +85°C and provides support for single or dual 10/100/1000BaseTX interfaces for host board backplane connections.

Software support for the PGE2 includes Intel’s software drivers for Linux 2.2x and 2.4x operating environments and WindRiver’s VxWorks drivers for the Tornado development platform.

Performance Features

- Single or Dual-port, Gigabit Ethernet (GigE) PMC
- Air-cooled (standard and extended versions) and conduction-cooled ruggedization
- Multi-network compatibility: 10/100/1000 BaseTX (auto-negotiation)
- 64KB FIFO buffer memory per port
- MAC/SERDES support
- 32/64-bit, 33/66 MHz PCI bus

Environmental Specifications:

- Air-Cooled operating temperature: (standard) of 0° to +50° C
- Air-Cooled operating temperature: (extended) of -40° to +71° C
- Conduction-cooling operating temperature: -40° to +85° C
- Storage temperature: -50° to +100° C
- Humidity: 10–95% RH non-condensing

The PGE2 complements Curtiss-Wright's wide range of Single Board Computers, Digital Signal Processors, Graphics and Communications and I/O products, including the recently announced PGR8 8-Port GigE Switch PMC card (www.cwembedded.com/products/0/1/383.html). For more information about Curtiss-Wright's embedded computing solutions please visit www.cwembedded.com.

For editorial information regarding Curtiss-Wright Advanced Multi Computing products or services, contact John Wranovics, public relations director, Curtiss-Wright, Tel: (925) 640-6402; Fax: (510) 530-8563; email: jwranovics@curtisswright.com; Web site: www.cwembedded.com.

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About Curtiss-Wright Controls Embedded Computing

Curtiss-Wright Controls Embedded Computing is the industry's most comprehensive and experienced single source for embedded solutions, ranging from Processing, Subsystems, Data Communication, DSP, and Video & Graphics to the most advanced board level components and fully integrated custom systems. The Embedded Computing group serves the defense, aerospace, commercial and industrial markets and is part of Curtiss-Wright Controls Inc. For more information about Curtiss-Wright visit www.cwembedded.com.

About Curtiss-Wright Controls, Inc.

Headquartered in Charlotte, North Carolina, Curtiss-Wright Controls is the motion control segment of Curtiss-Wright Corporation (NYSE: CW). With manufacturing facilities around the world, Curtiss-Wright Controls is a leading technology-based organization providing niche motion control products, subsystems and services internationally for the aerospace and defense markets. For more information, visit www.cwcontrols.com.

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