



**FOR IMMEDIATE RELEASE**

For more information contact:

Kia Davidson

Email: sales@gateworks.com

Phone: (805) 781-2000

Fax: (805) 781-2001



## **Gateworks Corporation Introduces a New Member to the Cambria Network Platform Family.**

*SAN LUIS OBISPO, CALIFORNIA – January 27, 2009* - Gateworks Corporation, a leading provider of OEM computer solutions, introduces a new member to the Cambria Network Platform Family. The GW2350 is targeted for high performance customer premise equipment and applications which require a rugged, small form factor network processing engine.

The GW2350 features an Intel® IXP435 XScale® operating at 667MHz, 128Mbytes of DDRII-400 SDRAM, and 32Mbytes of Flash. Peripherals include a Type III Mini-PCI socket, two 10/100 Base-TX Ethernet ports with IEC-6100-4 ESD and EFT protection and two USB Host ports. Additional features include serial EEPROM, watchdog timer and system monitor to track operating temperature and input voltage. The GW2350 also supports GPS and RS485 serial as ordering options. Power is supplied through either Ethernet connector using a passive power over Ethernet (PoE) architecture. For console, an RS232 serial port is available through the JTAG connector. All of these features are contained within a small 3.3"x 4.0" form factor. The GW2350 is suited for harsh and severe environments with an extended operating temperature of -40 to +85°C.

The Intel IXP43x network processor used on the Cambria is the newest member of Intel's network processor family and has been designed for the most demanding networking applications. The IXP43x combines a high-performance Intel XScale core with additional network processing engines (NPEs) to achieve wire-speed packet processing performance. The IXP43x processor includes integrated hardware acceleration of popular cryptography algorithms (SHA-1, SHA-256, SHA-384, SHA-512, MD5, DES, 3DES, AES) for wireless and VPN applications that require a high level of security.

The GW2350 features a wide range 8-48VDC power input with both reverse polarity and transient protection which can supply up to 8W to the Mini-PCI site allowing support for high power Mini-PCI radios. This gives OEM's the flexibility to support any of the latest 802.11 radio technologies (802.11ab/g, 802.11n, WiMax). The wide power input range allows the GW2350 to be used in a variety of applications ranging from automotive/transportation to solar and battery powered wireless sites. The temperature and voltage monitor allows for remote system monitoring and the programmable watchdog timer insures system health and reliability.

For applications which require location information, an optional high sensitivity Trimble Copernicus GPS receiver can be loaded directly on the board. The Copernicus GPS receiver features -160dBm tracking sensitivity and -148dBm acquisition sensitivity allowing it to be used in demanding applications with marginal satellite visibility. The GPS pulse per second (PPS) signal can also be used in conjunction with the IXP43x's internal IEEE1588 time synchronization hardware to provide synchronization between multiple boards.

The board is preloaded from the factory with Redboot Boot-Loader and the OpenWrt Linux distribution. Redboot allows for easy Flash updating and network boot. The OpenWrt Linux distribution is a robust and stable Linux distribution designed for wireless application and gives developers an open source framework from which to build fully custom applications. OpenWrt features a fully writable file system along with package management which allows developers to easily add in application specific software packages.

Pricing for the GW2350 starts at US\$211 in OEM quantities and can be purchased online at <http://shop.gateworks.com>. A development kit is also available which includes a USB JTAG Flash programmer, passive PoE power supply/injector, complete cable set along with a Linux software development CD that includes the OpenWrt based BSP. Customers can also specify customized versions of the GW2350 for volumes as low as 100 pieces. Gateworks' flexible in-house assembly allows customers to optimize cost and performance of the board to suit their specific application. Items such as processor speed, processor type, DDR memory, Flash and peripherals can be selected to create a unique customer configuration

The GW2350 is available now. For further information, visit the company website at: <http://www.gateworks.com/>.

### **About Gateworks Corporation**

Gateworks Corporation is a leading provider of network computers for supporting wireless network infrastructures. Gateworks network computer products cover a broad range of applications from customer premise equipment to backhaul repeaters, switches, access points and concentrators. Gateworks provides the hardware to allow WISP's to develop unique and custom solutions to address their customer's needs. For more information on Gateworks Corporation and its services, call (805) 781-2000, or visit the company's web site at <http://www.gateworks.com>