

For Immediate Release

Provigent Introduces "Terminal-on-a-Chip" Solution For Wireless Backhaul

The PVG610 Mixed-signal CMOS Chip Offers Unequaled Integration and Performance for Next Generation 3G, LTE and WiMAX deployments

SANTA CLARA, Calif., November 15, 2007 – Provigent, the leading provider of System-on-a-Chip (SoC) solutions for the Broadband Wireless Transmission market, announced the availability of the PVG610 "Terminal-on-a-Chip" solution for backhaul infrastructure. This powerful mixed-signal CMOS device with an unparalleled level of integration and enhanced performance is the ultimate backhauling solution for 3G, LTE and WiMAX deployments.

“Using the highly integrated Terminal-on-a-Chip solution with its enhanced performance, low power, small footprint and high reliability has brought down our customers’ system cost,” stated Ran Soffer, Provigent’s vice president of Marketing. "The PVG610 reduces time to market for new systems designed to support next generation wireless backhaul needs."

The PVG610 provides all necessary terminal building blocks required for indoor or outdoor units used in applications such as cellular/WiMAX backhaul networks, fixed wireless transmission and private wireless networks. The PVG610 also provides the complete processing chain from user data interfaces through the high performance modem to carrier IF frequency. Multiple onboard user data interfaces supported include:

PDH; E1/T1/J1 LIU & framers
SDH/SONET; STM-1/OC-3
Ethernet; 10/100/1000Mbps Ethernet GMAC
Management; Serial interfaces

The user data streams from any or all of the available interfaces are aggregated and multiplexed. The state-of-the-art modem technology performs encoding and offers QPSK through 256QAM modulations. The embedded high performance DAC (Digital to Analog Converter) converts the modulated signal into analog for IF transmission. Embedded high performance ADC (Analog to Digital Converter) digitizes the received signal. Demodulation, decoding and mapping to the user data streams (interfaces) are all managed by the PVG610’s embedded ARM9 processor.

The PVG610 and its full support package are immediately available for integration and testing. Several Provigent customers are already integrating and testing the PVG610.

Provigent's field-proven, mass production SoC solutions offer significant system level enhancements while lowering overall system cost. With an established economy of scale, significant R&D investments and a focused dedication to the broadband wireless transmission industry, Provigent continues to establish itself as the market's leading SoC provider.

About Provigent

Provigent is the leading supplier of SoC solutions for the broadband wireless transmission industry. More information is available on the Web at www.provigent.com or via e-mail at info@provigent.com.

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