INTERPHASE

4G Wireless Basestation Module

High Performance for Next Generation Wireless Access Networks

APPLICATIONS

LTE / WiMAX ***Pico / Microcells*** ***Enterprise Femtocells***

FEATURES

Custom embedded form factor

SoC processor

I/O options:
- SFP Modules for CPRI or customer specified radio interface
- GE Interface
- PCIe or sRIO
- SMB microcoaxial for GPS antenna/1PPS I/O signal input/output

IEEE 1588 v2 / Synchronous Ethernet

Integrated L1 and L2/L3 on a single SoC provides lowest possible latency

Scalable solutions by integrating multiple xx70xs

Rich Ecosystem of software tools and applications available through Interphase iWARE® and Partner solutions

Wireless Base Station on a Card

The 4G Wireless Basestation Module supports the complete functions of a Wireless Basestation (with the exception of the radio) in a very small footprint. It is designed for use in 4G Networks including the LTE eNodeB as well as next generation WiMAX* Basestations. It features CPRI baseband or customer specified radio interface and customer specified combination of input/output support for: Gigabit Ethernet, Serial RapidIO™, PCI Express™, or other required interface.

High Performance Platform - Multicore Processor and DSP

The 4G Wireless Basestation Module can use the Mindspeed Transcede™ 4000/4020 System on a Chip (SoC) with integrated support for the Radio Interface, DSPs for Baseband PHY processing, and ARM A9 cores for L2 / L3 Protocol Processing, as well as eNodeB software aligned with the latest 3GPP requirements. Alternative customer preferred processor solutions can also be accommodated.

Accelerated Development / Lower cost of ownership

- PHY, L2/L3 Software and Hardware Designs => “fast-start” development
- Common Platform for complete portfolio => Develop Picocell to Multi-sector Microcell solutions which can be reutilized in Macrocells as well.
- Mix of programmable DSP and H/W acceleration allows DSP headroom for additional customer feature development

Road to 4G

This 4G module is designed as an entry point for the development of next generation wireless microcell, picocell, and enterprise femtocell base stations. Interphase can adapt or extend this solution to meet your needs in a customer-specified design that best fits the application.

** Note: WiMAX software development is a planned roadmap item at this time.*

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About Interphase

Interphase Corporation (NASDAQ: INPH) delivers solutions for LTE and WiMAX, interworking gateways, packet processing, network connectivity, and security for key applications for the Communications, Aerospace-Defense, and Enterprise markets. Founded in 1974, Interphase provides expert Engineering Design and Contract Manufacturing services, in addition to its COTS portfolio, and plays a leadership role in next generation AdvancedTCA® (ATCA), AdvancedMC™ (AMC), PCI-X, and PCIe standards and solutions.