



GSM / GPRS Product Overview

interWAVE products address wireless communication requirements at a fraction of the price of the current commonly installed cellular infrastructure. We have taken the philosophy and architectures of data networks and applied it to wireless telecommunications networks and made it turnkey. Our **Network-In-A-Box™** unique in the world and unsurpassed, delivers a full GSM network within an enclosure the size of a PC tower and offers the lowest entry price to start a GSM network.

interWAVE's compact wireless network solution offers a host of benefits compared to investing in traditional wired or cellular infrastructure. Main benefits include:

- Distributed architecture maximizes efficiency, and allows for service extension and capacity expansion at lower capital expenditure and operational cost.
- Encourages scalable growth, beginning with just a few hundred subscribers. Operators add incremental capacity on demand.
- Unmatched speed of deployment offers significant competitive edge in battle for subscriber base.
- Patented technology provides seamless integration with existing public or private networks, while still meeting open industry standards.
- Features multi-band GSM support, including 850 MHz, 900 MHz, 1800 MHz and 1900 MHz

All interWAVE products are developed on the same core Operating System using extensible APIs. This architecture enables the rapid introduction of enhanced services in a cost-effective approach, ensuring quick reaction to market dynamics and increases differentiation of service offerings.

Flexible: Common platform with an unmatched speed of deployment

Scalable: Up to 200,000 subscribers

Compact: Size of a PC tower, under 25kg/50lbs.

Features-rich: Fully functional GSM network

GPRS ready: GPRS ready hardware and migration path to 3G

Flexible

GSM/GPRS Products

[Network-In-A-Box \(NIB\)](#)
[WAVExchange \(WXC\)](#)
[WAVExchange II \(WXC II\)](#)
[WAVE.HLR/AuC](#)
[WAVTransit](#)
[WAVExpress BSC](#)
[UltraWAVE BSC](#)
[WAVExpress BTS](#)
[UltraWAVE BTS 6](#)
[WAVExpress BS PLUS](#)
[WAVExpress TurboMAX BS Plus](#)
[WAVExpress TurboMAX BTS](#)
[WAVE.GSN](#)
[WAVEView OMC](#)
[mVIEW](#)

Solutions

More About Our Products

Download datasheets (in PDF format) on each of our products:

- [GSM/GPRS](#)
- [CDMA](#)
- [Broadband P2P](#)

Based upon a common hardware platform for all GSM functionalities, the modular architecture of interWAVE's platform allows for easy node transformation. MSC, BSC and BTS are interchangeable in any combination on the field through software configuration. This also allows an unmatched speed of deployment and operation.

Scalable

One can grow the network by just adding additional nodes linked in daisy chain, hierarchical or peer-to-peer. Our products are incrementally scalable from 100 to 200,000 subscribers.

Full Functionality GSM Platform

interWAVE products offer a full range of compliant GSM features & services including Home Location Registers (HLR)/Visitor Location Registers (VLR) support for billing record transfer and Call Detail Record (CDR), subscriber management, user authentication, roaming support, performance statistics, call handling features such as call delivery, incoming call barring, call forwarding, abbreviated and intelligent call routing. interWAVE switching products employ PALIMTM a patented, unique intelligent traffic management feature that provides transparent connection between the existing PLMN network and the interWAVE's distributed networks.

GPRS Ready Hardware

interWAVE is committed to the evolution of GSM 2G networks to 2.5G GPRS, 3G and beyond. Our GPRS offering features standard interfaces and competitive feature set. With interWAVE's GPRS solution, network operators are able to enhance their current service offering to provide GPRS by simply adding new infrastructure nodes and upgrading software on some of the existing network elements. For new network operators, including GPRS services in their initial service offering provides a competitive edge.

interWAVE offers complete turnkey GPRS solutions tailored for the lower density community GSM market where we continues to deploy cost effective GSM solutions. As part of the GPRS turnkey solution, we offer a compact GPRS Support Node (GSN) plus other core network support components tailored for GPRS networks. interWAVE's GPRS products can also be configured as a BSS connecting over standard Gb interface to an existing Serving GPRS Support Node (SGSN) or can be configured as a standard GPRS network with intelligent switching capabilities.

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