

iCore[®] 3G Network in a Box[®] (NIB)

The Mobile Industry's First All-In-One Network Solution Supporting LTE and HSPA+

Tecore's multi-technology iCore[®] 3G Network in a Box[®] (NIB) is the industry's first all-in-one, multi technology, transportable and ready-in-minutes network solution capable of supporting UMTS and HSPA. The NIB provides operators with the most compact, adaptable, and cost-effective platform for deploying, extending, and evolving their networks.

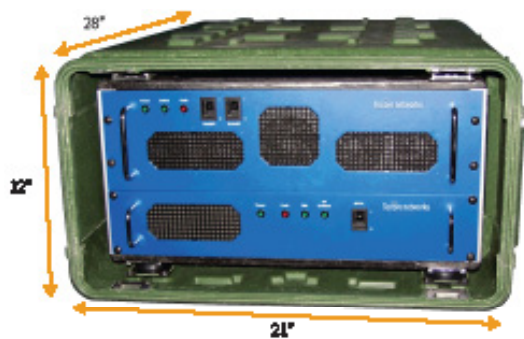
Tecore has incorporated almost 30 years of industry leadership in scalable wireless systems into the design of the NIB architecture. The NIB leverages the patented iCore portfolio of 3GPP-compliant software-defined core network elements, available as a completely integrated core or as individual elements capable of supporting network scalability across multiple locations. The NodeB delivers the 3GPP-compliant access portion of the network. The robust capability set, compact form factor, and cost-effectiveness of the NIB enable a broad range of deployment scenarios for remote and rural operators, larger operators, emergency management, armed forces or peacekeeping missions, and mobile communications networks in transit.

The NIB leverages Tecore's patented multi-technology architecture of the iCore and provides voice, text, and packet data services through standards based network elements developed to relevant 3GPP standards.

With a flexible architecture supporting network function virtualization and scalability from fewer than 100 to 1,000's of mobile subscribers, the NIB can be deployed cost effectively to meet the customer requirements in multiple deployment scenarios.

The NIB is a robust all-in-one integrated solution (Core Network and RAN) enabling comprehensive management and operations of network and has been successfully deployed in commercial, government, and private networks on a global basis.

FEATURES AND BENEFITS



All-in-one network solution, space-optimized as small as 22 cm

Localized information security including encryption of communications between users and between locations

Packet data support UMTS and HSPA

Full suite of voice services, text, and packet data services

Multiple operation modes including standalone private networks, multi-site, or roaming interconnect with commercial operators networks

Interworking/connectivity with existing infrastructure such as corporate PBXs and LANs

Self-Organizing Network (SON) features

Specifications

GENERAL

Available Technologies	3G UMTS and HSPA
Feature Capabilities	Voice Over IP (VOIP) Messaging Internet IP Data Self-Organizing Network (SON) Commercial Mobile Alert System (CMAS) Earthquake and Tsunami Warning Service (ETWS) View Live Camera Feed View Real-time Sensor Data GPS Location Capabilities
3G Bands	UMTS – 1, 2, 3, 4, 5, 8
Wi-Fi	Single (2.4 or 5)
Simultaneous Active Users	Up to 1,000
Provisioned Users	Up to 10,000
Dimensions	12 x 21 x 28 in
Weight	82 lbs
Power Consumption	400W
Power Input Options	110/240VAC
Transmit Power	Up to 40W per port
Antenna Ports	N-Type; up to 2x2 MIMO
Color Options	Black, Green

Integrated Functional Capabilities	UMSC/MSC/VLR GGSN/SGSN HLR/HSS, AuC/AC/AAA SMSC/MMSC RNC, NodeB, eNodeB, BSC, BTS
Interface Capabilities	Standards-based 10/100/1,000 Ethernet Standards-based SIP/VOIP
RF Capabilities	Omni or multi-sector Pico/Micro/Macro Milli-watts up to 40 watts Output Power
Optional Accessories	SIM Cards Handsets Antennas Ruggedized Laptop

