



iNAV[®] 9200 Media Interface

TDM-IP Gateway for Media Applications

FEATURES

Purpose-built for Convergence, Wireless & Multimedia applications

Standards compliant TDM-to-IP gateway function

Standards compliant data transport over IP

Standalone unit

8 or 16 T1/E1/J1 interfaces
E1: 248 / 496 channels
T1: 192 / 384 channels

Dual 10/100/1000 auto-sensing Ethernet interface for media, control and management

Media Channel Control Interface over TCP/IP

Circuit switching (hairpinning) for bridging applications

High performance Wintegra[™] WinPath[™] packet processor-based solution

Extensive OAM&P via CLI and SNMP

Single/Dual -48V DC input or Dual 110/230V AC input

Front or Rear Access

1U enclosure, 19" rack-mountable

APPLICATIONS

Specialized Resource Points (SRP)

Multimedia Servers / Ring Back Tone (RBT)

NGN IP Media Servers

SMS/MMS Centres (SMSC)

Messaging Servers

Voice Portals

IP PBXs / Contact Centers

HMP Applications

Cost-effective Solution for Multimedia Applications

The iNAV 9200 Media Interface appliance from Interphase delivers a comprehensive high-capacity TDM connectivity solution for use with IP-based media platforms to deliver a wide range of Voice-over-IP, Wireless and IP Multimedia Subsystem (IMS) infrastructure application elements.

High Capacity and Performance

With 8 or 16 T1/E1/J1 interfaces, the iNAV 9200 provides a high capacity TDM-IP gateway solution for voice applications and enables the evolution of media platforms towards IP-based architectures. Thanks to its powerful Wintegra[™] WinPath[™] packet processor, the iNAV 9200 performs wire speed RTP (Real Time Protocol) compliant data packetization & depacketization, at an amazing price per port.

With its TDM hair-pinning functionality, the iNAV 9200 allows call bridging/forwarding applications with recording of both sides.

Solution for the New Generation of Media Platforms

The iNAV 9200 enables system architects to prepare their media platforms for tomorrow's IP networks, while maintaining their current functionalities on today's TDM networks. Moreover, by opposition to conventional TDM interfaces, the iNAV 9200, as a standalone front-end subsystem, eliminates all hardware dependence.

Interphase plans several enhancements of the iNAV 9200, among them, embedded Signaling Gateway function, DTMF detection and signal over IP, Echo Cancellation, RTCP support, and high-density connectivity (e.g. DS3, OC-3/STM-1).





iNAV 9200 Functional Specifications

Front Panel Line Interfaces

- PSTN interfaces
 - 8 or 16 software selectable T1/E1/J1 ports
 - QuadFALC™ framers supporting long haul or short haul interfaces, AMI, HDB3, or B8ZS line coding
- IP interfaces
 - Two RJ-45 10/100/1000 Base-T Ethernet interfaces for media data transport, channel control and management

Media Transport Adaptation

- Up to 384 channels (T1) or 496 channels (E1)
- Standard RTP media transport (RFC 3550) on IP side
- Transparent packetization (RFC 4040 "Clearmode")
- Configurable payload type and packet size (10 to 30ms)
- Low latency (< 1.5ms)
- Large jitter buffer capacity (> 1s per channel)
- Timestamp full processing, including silence generation (Alaw / µlaw) during packet outage
- Circuit hairpinning

Control Interface

- Media Channel Control (MCCI) enabling the configuration, status monitoring and statistics collection of:
 - T1/E1 Controllers
 - Channels
 - RTP Routes
 - Channel Switching
- Reliable session-oriented message protocol
- Multiple applications can share the same appliance, allowing the implementation of an active / standby model

Unit Management

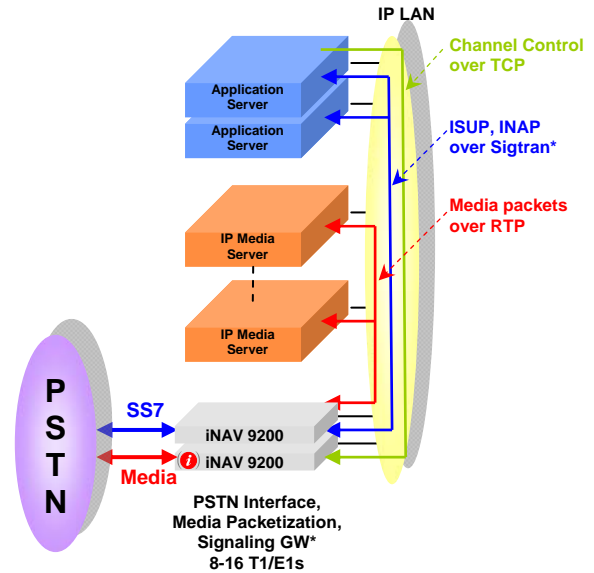
- Same management for all iNAV 9200 versions
- Extensive Operation, Administration, Management & Provisioning (OAM&P) services
- Command Line Interface (TTY or Telnet) and SNMP
- Statistics
- Software download and upgrade

Signaling Gateway*

As a future evolution, the iNAV 9200 will implement a Signaling Gateway function, converting SS7 MTP2 links to SIGTRAN M2UA on the IP side.

Solution for Convergent Media Platforms

The iNAV 9200 enables the evolution of traditional media platforms to an IP-based architecture, providing TDM connectivity to IMS-ready media servers.



Technical Specifications

Architecture	
Processor	WinPath™ WIN787 - 233 MHz PowerPC™ 750GX - 800 MHz
Memory	128 MB SDRAM; 8MB Flash
Line Interfaces	8 or 16 T1/E1/J1, Front Access, RJ48C 2 Gigabit Ethernet, Front Access, RJ45
Mechanical	
Length	200 mm (7.9 in)
Width	442 mm (17.4 in)
Height	1U 44.5 mm (1.75 in)
Operating Environment	
Power	-48V DC or 110-230V AC
Power Consumption	<50 W
Temperature	0 to 55 °C (32 to 131 °F)
Relative Humidity	5% to 95% non-condensing
Altitude	0 to 15,000 ft

Corporate Headquarters

2901 N. Dallas Parkway
Plano, Texas 75093
1-800-FASTNET
Phone: + 1.214.654.5000
Fax: + 1.214.654.5500

European Headquarters

855, avenue Roger Salengro
92370 Chaville
France
Tél.: + 33 (0) 1 41 15 44 00
Fax: + 33 (0) 1 41 15 12 13

About Interphase Corporation

Interphase Corporation (NASDAQ: INPH) delivers solutions for network connectivity, interworking, and packet processing for key applications for the communications, Mil/Aero, and enterprise markets. Founded in 1974, Interphase provides expert customization services and contract manufacturing, 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. Interphase is headquartered in Plano, Texas, with sales offices across the globe.

© 2010 Interphase Corporation. Interphase, iNAV, the Interphase logo and the "Designed to Perform. Designed to Last." tagline are trademarks or registered trademarks of Interphase Corporation. All other trademarks are the property of their respective owners. Specifications and features are subject to change without notice.
(*) Future evolution