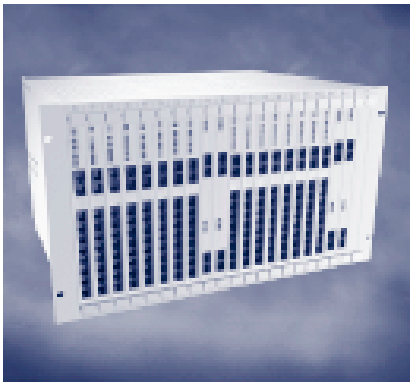
INTERWAVE

WAVETransit



interWAVE's WAVETransit is a transit switch that inter-connects mobile and landline networks. The WAVETransit is a Gateway MSC connecting multiple WAVEXchange clusters to form large-scale distributed GSM networks. The WAVETransit has extensive trunk routing capability, and supports multiple signaling protocols. The system can operate as a centralized transit switch, or be configured in a network with central and remote transit switches. This distributed transit switch network can be managed from a centralized OMC server co-located with the central transit switch.

Network Features

Features	Capacity/Standard
E1 Ports	128
Call Processing	200,000 BHCA, 12,500 BHCA/E1 card
Scalability	8E1 to 128E1 in 8 E1 increments
Trunks	128 E1 ports
Analog extension	120/E1
Traffic	1800 Erlangs
Signaling Transfer Point	64 Signaling Links
14/24 bit Signaling Point Code (SPC) support	
Multiple Network Indicator (NI) support	
Optional built-in echo canceller	

Interfaces

SS7/TUP/ISUP/MAP
V5.2
R2 MFC (with a Protocol Converter)
ISDN-PRI
SNMP

System Specifications

Configuration	
Central WAVETransit	WAVETransit up to 128 E1 (256 E1 Dual Chassis)
Remote WAVETransit	WAVETransit up to 64 E1
Network management	SNMP based
Redundancy	Optional traffic load sharing (Dual WAVETransits and LAN servers) Redundant power supplies Optional E1 card level redundancy Optional route redundancy

Product Features

Routing on call basis
Routing on trunk basis
Signaling Transfer Point (STP)
128 E1 non-blocking switching
Digit manipulation for call routing
Flexible numbering plans
E1 link timeslot grooming
Software downloadable from management center
Module hot swap
Voice Prompt
Optional protocol converter
Call Detail Record (CDR)
Gateway MSC (GMSC)
Global Title Translation

GSM Networks
Wireless Office
FUSION
Wireless Broadband

WAVETransit

Management

SNMP centralized management
RAS remote dial-in operation
Standard web browser GUI
Real time status monitoring and alarm log
Real time classified call statistics report with graphic layout
Program uploading to WAVETransit from LAN
Parameter maintenance for network devices
System data backup

Electrical

Voltage	100 to 120 VAC 220 to 240 VAC -48 VDC
Frequency	47 to 63Hz, 0.4K VA
Power consumption	2A/200W (64+64 E1)

Mechanical

Dimensions (HxWxD)	WAVETransit 42U cabinet: 80 x 60 x 220 cm (31.5 x 23.6 x 86.6 in.) Transit Switch: 48.5 x 26.7 x 34.5 cm (19.1 x 10.5 x 13.6 in.)
Weight	Transit Switch: 16 kg (35 lbs)

Environmental

Operating Environment	Temperature: +50˚F to 95˚F (10˚C to 35˚C) Humidity: 40% to 80% relative (non-condensing)
Storage Environment	Temperature: -4˚F to +140˚F (-20˚C to +60˚C) Humidity: 30% to 90% relative (non-condensing)

Specifications subject to change without notice
This product is designed for professional installation only
See www.iwv.com for the latest version of this data sheet

Effective Date:October 2002

U.S. HEADQUARTERS
312 Constitution Drive
Menlo Park, California 94025, USA
Tel: 1.650.838.2100
Fax: 1.650.321.6250

AMERICAS
Carrera 45 #175-67
Bogota, Colombia
Tel: +57.1.6699393
Fax: +57.1.6149468

Peru 213 e/Rio de Janeiro
Asuncion, Paraquay
Tel: +595 21 22 55 75
Fax: +595 21 22 80 37

EUROPE
23, Allée des Impressionnistes - BP 50295
95 958 Roissy CDG Cedex
Paris, France
Tel: +33.14938.9191
Fax: +33.14938.9190

Intec 2.5
Wade Road
Basingstoke
Hampshire, RG24 8NE, UK
Tel: +44.1256.777580
Fax: +44.1256.777585

ASIA/PACIFIC
Suite 806, Level 8
505 Stkilda Road
Melbourne, 3004, Australia
Tel: +61.3.98681646
Fax: +61.3.98681668

Room O, 4/F, Tower A East Gate Plaza
No 9 Dong Zhong Street
Dong Cheng District
Beijing, P.R. China 100027
Tel: +86.10.64.18.1968
Fax: +86.10.64.18.1372

Tech Centre, Unit 316
72 Tat Chee Ave
Kowloon Tong
Hong Kong
Tel: +852.2574.1922
Fax: +852.2519.9033

1100 88 Corporate Center
Sedeno cor. Valero Sts.
Salcedo Village, Makati City 1227
Tel: +632.754.8029
Fax: +632.754.8028

Lincoln House
Cinnamon Garden Residencies 1/7
67, Ward Place
Colombo 07, Sri Lanka
Tel: +94 1 662 164
Fax: +94 75 368 281

INTERWAVE

For further information on interWAVE, please visit us at: www.iwv.com

©2002 interWAVE. All rights reserved. The interWAVE logo is a trademark, and WaveNet is a registered trademark of interWAVE. Each trademark, tradename or service mark of any other company appearing in this document belongs to its holder.