

## DGT 7505 MultiService IP Router



**DGT 7505 multiservice IP router** is a modern element of teletransmission and access networks used for IT service distribution.

Modern design and the use of state-of-the-art technologies in designing hardware and software ensure the unit's future upgrades related to upcoming IT and telecommunication innovations.

**DGT 7505 WW routers** may constitute a solid basis for designing flexible teletransmission networks using wireless communication means, copper wire infrastructure, optic fibre and leased lines in TDM technology.

The network may be scaled according to the expected traffic load due to the use of aggregated teletransmission interfaces supporting nx64kbit/s to 34Mbit/s bit rates.

Flexibility in designing low bit rate networks is supported by voice compression and dynamic bandwidth management mechanisms.

# DGT 7505 Multiservice IP Router

## Features

- packet switching: static routing, dynamic routing (RIP 1, RIP 2, OSPF, BGP v.4)
- WAN protocol support: synchronous PPP, serial HDLC
- additional features: DHCP server, dynamic firewall, NAT, address masking

Integrated services network and the available services:

- IP network distribution (i.e. Internet, Intranet)
- digital lines of 2Mbit/s bit rates
- synchronous digital lines V.35, V.36 of nx64kbit/s to 2Mbit/s bit rates (n=1,2,4,8,16,32)

## Optionally

- voice compression (2:1, 4:1, 8:1)
- DSS1 and QSIG signalling multiplexing in E1 trunk data channel
- fax support on lines with compression
- modem transmission support on lines with compression
- V.24 synchronous digital lines
- PCM CAS digital lines
- RS-232 asynchronous digital lines
- analogue leased lines (one and two track)

## Technical parameters

### Interfaces:

- 10/100 BASE-TX Ethernet interface
- 100 BASE-FX Ethernet interface
- 1000 BASE-SX Ethernet interface
- E1 2Mbit/s with electric interface (G.703, G.704)
- nx64kbit/s (n=1,2,4,8,16,32) with V.35/V.36/X.21 interface

### Optionally

- E3 34Mbit/s with fibre interface
- E3 34Mbit/s with electric interface (G.703, G.704)
- E1 2Mbit/s with fibre interface
- V.24/RS-232 - asynchronous
- V.24 synchronous
- ISDN S0
- CB (FXS) analogue phone interface
- analogue foreign exchange translation interface (FXO)
- analogue two-track interface (E&M)

The router is managed using 10/100Base-TX Ethernet interface.  
It may also be managed remotely via external and in-band IP network.  
The unit is equipped with a built-in SNMPv3 interface.

**Dimensions:** width: 540 mm, height: 275 mm, depth: 710 mm  
**Weight (max):** 30 kg  
**Power supply:** +27V DC