DGT 7505 WW

multiservice IP router

Designing integrated services networks

Creating a data transmission network based on IP protocols

Designing dispatch communication networks

Integrating phone, fax and data transmission traffic

Voice compression and dynamic bandwidth management

DGT 7505 WW 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 fiber 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 bitrates. Flexibility in designing low bitrate networks is supported by voice compression and dynamic bandwidth management mechanisms.

- 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

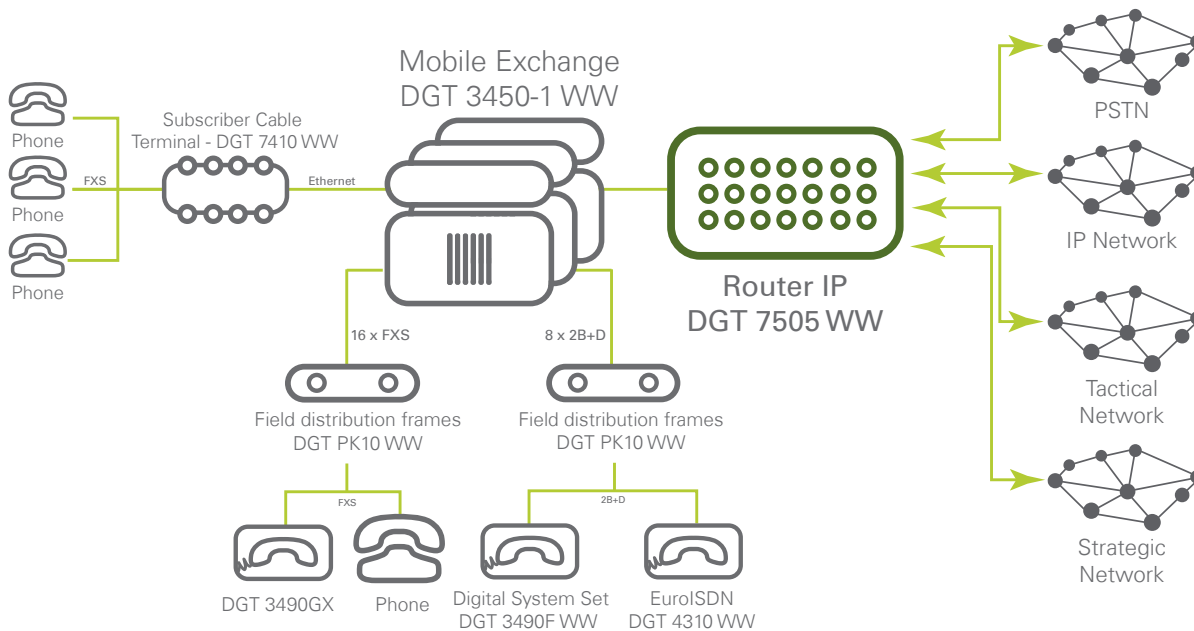Integrated services network and the available services:
- IP network distribution (i.e. Internet, Intranet),
- digital lines of 2Mbit/s bitrates

- synchronous digital lines V.35, V.36 of nx64kbit/s to 2Mbit/s bitrates (n=1,2,4,8,16,32)

optionally:
- voice compression (2:1, 4:1, 8:1),
- DSS1 and QSIG signaling 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 fiber interface
- E3 34Mbit/s with electric interface (G.703, G.704)
- E1 2Mbit/s with fiber 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)

Management:
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: 540mm
height:275mm
depth:710mm

Weight (max):
30kilograms

Power supply:
+27V DC with negative ground compliant with NO-06-A104:2005 section 2.11.

Operating environment:
N.7-UZ-II-A group unit