



Tactical router

RP-101-01

Highly efficient IP router

Option IPsec encrypted connections execution

Option of setting up GRE tunnels

The tactical router RP-101-01 device operates as a network router with optical interfaces which enables construction of field IT networks between sites equipped with devices supporting Ethernet 10/100Base-T/TX and 100Base-FX interfaces.

The RP-101-01 is designed for use in mobile (e.g. field equipment stations) and stationary equipment sets used for IP network construction. The device enables construction of a framework-access teleinformatic network of IP type. The router enables different 4 Ethernet interfaces. Data packets sent and commuted in the network are IP packets conforming to the RFC 791 recommendation. The RP-101-01 cooperates with other network devices available on the market, regardless of the manufacturer. Rich functionality of the router enables creation of advanced network configurations on the basis of RP-101-01.

During operation within a teleinformatic network and a WAN network, the device may cooperate with devices supporting aforementioned standards, in particular with Transbit devices such as:

- SHDSL MSH-4 modem;
- ŁK-24VC switch-multiplexer;
- ZZL-12E1 line terminals set;
- ZZO-12R1 optical terminals set;
- AC-16IP VoIP terminal.

The RP-101-01 is qualified to N.7, N.9 and N.11–O–II(A and B) groups according to NO-06-A101 and NO-06-A103 (MIL-STD-810G compliant) (multi-use and continuous work equipment) within the working temperature range from minus 30°C to plus 50°C. The RP-101-01 is adjusted to operate in motion and designed to be used in three positions.



TECHNICAL PARAMETERS

BASIC FUNCIONALITIES

Efficient IP router with the option of encrypted tunnels creation
 Routing protocols RIPv2, OSPF, PIM-DM
 IPv4 protocol
 GRE tunnels creation
 QoS, packet marking and band management
 Firewall, IP traffic filtering, access lists
 Optical and electrical Ethernet interfaces
 Configuration via WWW

INTERFACES

Electrical Ethernet interface **10/100Base-T/TX**
 RJF-45 connector

Speed rate 10/100 Mbps

Standard IEEE 802.3u

Auto-negotiation Yes

Operation mode Half/Full duplex

Range 90 m

Optical Ethernet interface **3x100Base-FX**
 ST connector (or MFM)

Wavelength 1310 nm ± 30 nm

Transmitter power -18 dBm ± 6 dBm

Receiver sensibility -28 dBm

Speed rate 100 Mbps

PARAMETERS OF HARDWARE ROUTER

Network protocol IPv4

Routing protocols OSPF (RFC2328), RIP2 (RFC1058),
 PIM-DM (RFC3973)

Access lists Yes

GRE tunnels Yes

QoS Yes

POWER SUPPLY

Power supply +27 V (from 18 V to 36 V)

Power consumption <15 W

OTHER TECHNICAL PARAMETERS

Dimensions (HxWxD) 68x330x265 mm

Weight <5 kg

Mechanical and climatic classification Groups N.7, N.9 and N.11-O-II(A and B),
 acc. NO-06-A101÷108 (MIL-STD-810G
 compliant) (multi-use and continuous use
 equipment)

Electromagnetic compatibility NO-06-A200 (MIL-STD-461F compliant)
 (KRE-02, KCE-02, KCS-01, KCS-06,
 KCS-07, KCS-08, KRS-02)

Operating temperature From -30°C to +60°C

Storage temperature From -40°C to +65°C

Humidity 95-98% at +40°C

