

ŁK-24V Telecommunication Router



The **ŁK-24V** is a universal field device, functioning as a router with an Ethernet switch for 12 ports and a telephone exchange for VoIP devices. Thanks to the compact size and light weight, it may be taken out of doors, allowing to develop a local computer or telephone network. The device may cooperate with shelters RWŁC-10/T/K, functioning as a block increasing the capacity of these shelters, with satellite terminals TDMA or any other IP transmission systems. It can also operate independently as a telephone exchange and an IT central.

The **ŁK-24V** has an in-built UPS, which enables it to function independently for at least 30 minutes without power supply (at full load by VoIP, ISDN and analog telephones). It renders one route of ISDN E1 PR1 available, with the possibility to create up to 30 simultaneous connections between the IP network and the telephone network.

With T.38 FoIP, functions of sending facsimiles and modem transmissions, the **ŁK-24V** makes it possible to integrate networks of voice and data transmission services. The support of the SIP, H.323 signalization along with the PoE function on the switch ports enables the **ŁK-24V** to easily develop local networks consisting of VoIP phones.

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System parameters

Switch parameters

- Ethernet ports 12 x Ethernet 10/100/1000BASE-T, VoIP, PoE per IEEE 802.3af P_{MAX}<15.4W
1 x Ethernet 100BASE-FX, CTOS connector
4 x ISDN S with Q.931 & Q.921 signaling
20 subscribers lines, DTMF signaling
- Switching Layer 2 and Layer 3
- VLAN 4 000 groups (IEEE 802.1Q)

VOIP parameters

- Number of voice channels 30
- Supported codecs G.711 aLaw and uLaw
G.723.1 5.3 kb/s and 6.3 kb/s
G.726
G.729
- IP version Ipv4 according to RFC 791
- Supported IP signaling SIP
H.323 with gatekeeper capabilities
- Supported ISDN signaling ISDN PRI Lucent 5ESS
ISDN PRI National ISDN1
ISDN PRI Nortel DMS 100
ISDN PRI Euro ISDN
- Number of ISDN PRI group 2 x G.703 trunks, G.704 framing, ISDN (Q.931, Q.921) signaling
- Functionality RiPv1, RiPv2, OSPF, BGP routing protocols
STP protocol, DHCP
- Management SNMP, WEB based, Terminal based
- Others Throughput 24 Gb/s (wire-speed for Ipv4 forwarding and L2-switching)
Qos
Port mirroring
Ling aggregation (IEEE 802.3ad)
Hardware firewall
16 conference
Fax T.38
- Power supply 230 VAC, 50 Hz
power < 600 W
- Mechanical specification dimensions: 536 x 272 x 428 mm