

System parameters

Switch parameters

Ethernet ports	16 x 10/100/1000BASE-TX IEEE 802.3ab with PoE (Power over Ethernet) IEEE 802.3af 1 x 100BASE-FX with CTOS connector
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 ISDN PRI French VN4 ISDN PRI Nortel DMS 100 (Belleville)
Number of ISDN PRI group	1 – fiber optic, G.704 with CTOS connector
Management	SNMPv3 WEB based terminal based
Power supply	230 V AC, 50 Hz power < 600 W
Mechanical specification	dimensions: 536 x 272 x 428 mm weight: less than 30 kg

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KD-2IP router and VoIP integrated



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KD-2IP Highlights



The KD-2IP is a universal field device, functioning as a router with an Ethernet switch for 16 ports and a telephone exchange for VoIP devices. Thanks to the compact size and light weight, it may be taken out to tents or anywhere else, allowing to develop a local computer or telephone network. The device may cooperate with shelters RWLC-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 KD-2IP has an in-built UPS, which enables it to function independently for at least 45 minutes without power supply (at full load by VoIP 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 KD-2IP 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 KD-2IP to easily develop local networks consisting of VoIP phones.



KD-2IP is rugged 16 ports Layer 2 and Layer 3 switch with VOIP gateway and gatekeeper capabilities. It supplies battery power maintenance. It provides one ISDN E1 PRI group for 30 simultaneous calls from the IP network or the PSTN. T.38 FoIP, fax bypass, and modem bypass capabilities ensure that the KD-2IP seamlessly transport voice and data services. With SIP, H.323 and multiple codec support, the KD-2IP offers flexibility for VoIP network integration and low bandwidth voice.

Field telephone exchange VoIP KD-2IP