Digital switch-multiplexer

ŁK-24VC-01

Integrated PSTN and VoIP central

Option of KF or UKF radio stations support

Option of combining PSTN telecommunication systems with IP systems

Operation via WWW, console or SNMPv3

Rugged compact case

The ŁK-24VC-01 digital switch-multiplexer is designed for use in sets of access points between a digital telecommunication network and a VoIP telecommunication network.

The device cooperates with switches of STORCZYK system (e.g. ŁC-240D) via an electrical or optical contact and with data processing devices (e.g. computers, routers) equipped with a connector conforming to IEEE 802.3 and IEEE 802.3u standards.

The digital switch-multiplexer enables:

- together with any network switch, creation of a local or wide area network;
- setting up connections between the packet commutation network (VoIP) and channel commutation network;
- switchboard connection via a ISDN PRI tract with DSS1 signaling;
- connection of one device with an Ethernet connector 10/100Base-T/TX (electrical connector);
- setting up connections between ISDN and VoIP networks using SIP or H.323 signaling;
- connection of four one-track analog devices with DTMF selection and generation of a call signal to the recipients: in CA mode with line power supply or in CB mode without power supply and with call signal detection;
- connection up to four RDST KF or UKF radio stations, e.g. RF-5800H, RRC9211.

ŁK-24VC-01 is adjusted to operate in motion and designed to be used in three positions.

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PN-EN ISO 9001:2015

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TRANSBiT

TECHNICAL PARAMETERS

BASIC FUNCTIONALITIES

Integrated PSTN and VoIP telecommunication central
Built-in H.323 gatekeeper and SIP gate
Support of SIP and H.323 signaling
Interfaces of analog devices with DTMF selection in CA or CB mode – 4 pcs.
6-track (6-W) interfaces to operation KF or UKF radio stations – 4 pcs.
ISDN PRI G.703 interface
Ethernet interface
Configuration via WWW
Advanced diagnostics mechanisms of device, interfaces and protocols
Conference bridge

INTERFACES

Electrical Ethernet interface	**10/100Base-T/TX**
	RJF-45 (RJFTV22G) Amphenol connector
Speed rate	10/100 Mbps
RDST radio station interface	**6W mode** (three-track, with transmission enabling)
	8D0C17W26SN Souriau connector
Customer interface CA/CB	**CA/CB mode** (one-track, DTMF, w/w/o line supply, incoming call signal detection and generation)
	8D0C13W08SN Souriau connector

SUPPORTED PROTOCOLS

Network protocol	IPv4, IPv6
VoIP signaling	SIP (RFC 2543, RFC 3261, RFC 3263)
	H.323 (ITU H.225, ITU H.323, ITU H.245)
VoIP codecs	G.711 aLaw and G.711 uLaw, G.723.1 5.3 kbps and 6.3 kbps, G.726, G.729

POWER SUPPLY

Power supply	+27 V (from 19 V to 35 V)
Power consumption	<60 W

OTHER TECHNICAL PARAMETERS

Dimensions (HxWxD)	70x330x240 mm
Weight	<8 kg
Mechanical and climatic classification	Group 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 resistance	95-98% at +40°C

FUNCIONAL PARAMETERS

Management interfaces	Serial console
	SSH
	WWW
	Control panel PO-240
	SNMPv3
Monitoring and login	RMON II
	SYSLOG

The mentioned parameters are non-binding specification. Transbit sp. z o.o. reserves its right to change technical parameters of the product without notice.

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