TRANSBIT

VoIP gateway

CV-12A-01

Creation of local or wide network

Managing the analogue subscribers

Connection with serial transmission devices

Centrala VoIP CV-12A-01

CV-12A-01 is designed to be used in sets of access points between digital telephony network and VoIP telephony network as an access gateway for analogue subscribers (CA/CB).

The device cooperates with switchboards of STORCZYK system (e. g. ŁC-240D) by an electrical contact and with data processing devices (e.g. computers, routers) equipped with a contact according to standards of IEEE 802.3 and IEEE 802.3u.

Technical parameters

BASIC FUNCTIONALITIES	
Combining connections between packet-switched network (VoIP), and channel-switched network	
Connecting the switchboard by ISDN PRI trunk with DSS1 signalling	
Connection of up to 8 devices with Ethernet 10/100/1000Base-T/TX contact (electric contact) and 4 devices with 1000Base-SX contact.	
Work both in the 2nd and 3rd layer of ISO/OSI model.	
Cooperation with radio stations by different telecommunications means (serial links, Ethernet).	
Support for dedicated operation modes by radio links (including the integration with SCIP protocol for operation in radio modes).	
INTERFACE	
Ethernet interface	**8x10/100/1000Base-T/TX** **4x1000Base-SX**
CA/CB subscriber interface	**16x Tryb CA/CB** (one-track, DTMF, with/without power supply line)
Trunk interface	ISDN PRI G.703
Modem interface	VDSL (option)
Serial interface	Synchronous and asynchronous, RS-232C
NETWORK PARAMETERS	
Network protocol	IPv4 and IPv6
3rd-layer protocol	OSPF, EIGRP, OLSR (protocol dedicated to radio station)
2nd-layer protocol	STP, RSTP and MSTP (IEEE 802.1d/IEEE 802.1w/IEEE 802.1s)
VoIP signalling	SIP (RFC 2543, RFC 3261, RFC 3263)
VoIP codecs	G.711 A-law and G.711 μ-law, G.723.1 5.3 kb/s and 6.3 kb/s, G.726, G.729, Opus, Codec2 MELP (option)
Support of VLAN according to IEEE 802.1Q, VoiceRS, RSLan, DHCP, NTP	
POWER SUPPLY	
Power supply	+27V (from 19 V to 35 V) Resistance to rapid reduction of power supply to 12V for 5s-time
Power consumption	<80 W
OTHER TECHNICAL PARAMETERS	
Mechanical and - climatic classification	Group N.7, N.8, N.10 and N.11-O-II(A and B), according to NO-06-A101÷108 (MIL-STD-810G compliant)
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
MANAGEMENT	
Serial console SSH, WWW, SNMPv3, SMiKO	
Monitoring and logging	RMON II, SYSLOG

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