TRANSBIT

VoIP gateway

CV-12r-01

Creation of local or wide network

Connection to four KF or UKF radio stations

Connection of devices by VDSL

VoIP gateway CV-12r-01

CV-12r-01 is designed to be used in sets of access points between digital telephony network and VoIP telephony network and most of all as an access gateway between IP network and different radio station types.

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 12 devices with Ethernet 10/100/1000Base-T/TX contact (electric contact).
Operation both in the 2-nd and 3rd layer of ISO/OSI model.
Cooperation with radio stations by different telecommunications means (6W, 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	**12x10/100/1000Base-T/TX**
RDST radio station interface	**6W mode** (three-track, including the transmission)
CA/CB subscriber interface	**4x tryb CA/CB** (one-track, DTMF, with/without power supply line)
Trunk interface	ISDN PRI G.703
Modem interface	VDSL
Serial interface	Synchronous and asynchronous, RS-232C

NETWORK PARAMETERS	
Network protocol	IPv4 oraz IPv6
3rd-layer protocol	OSPF, EIGRP, OLSR (protocol dedicated to radio station)
2nd-layer protocol	STP, RSTP iandMSTP (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	<60 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

Transbit sp. z o. o.
ul. Łukasza Drewny 80
02-968 Warszawa, Polska
tel.: +48 22 550 48 00
fax: +48 22 550 48 10
biuro@transbit.com.pl
www.transbit.com.pl