



VoIP Terminal

AC-20IP, -01, -02

**Simultaneous execution
of up to 4 VoIP connections**

Two independent earphones

Support of SIP signaling

Wide selection of codecs

Rugged compact case

AC-20IP terminals are designed for voice connections with the use of VoIP (*Voice Over IP*) technology. The device may work as a client of a VoIP network with SIP signaling. The devices replace AC-16IP which are no longer manufactured.

Devices are designed for voice communications in systems using VoIP. The connection with other network elements (routers, switches, VoIP terminals) is provided by the interface 10/100/1000Base-T/TX or 100Base-FX. Terminals cooperate with devices supporting the SIP or H.323 signaling protocol. Devices may be used in stationary and mobile systems (e.g. in field shelters).

AC-20IP terminals are qualified to N.7, N.8, N.9, N.10, N.11 and N.13-O-II(A and B) acc. NO-06-A101 and NO-06-A103 (MIL-STD-810G compliant) (multi-use and continuous work equipment) within the working temperature range from minus 30°C to plus 50°C and the aberration within the storage temperatures from minus 40°C to plus 65°C.

AC-20IP terminals can make VoIP connections with the use of VoIP gates or VoIP switchboard supporting the SIP signaling (e.g. ŁK-24VC, ŁK-24VC-01, KD-2IP, ŁK-24V) and other terminals (e.g. AC-16IP-01, AC-16SG, AC-25IP, MKL-1).



TECHNICAL PARAMETERS

BASIC FUNCTIONALITIES

Support of four simultaneous VoIP connections
Monitoring of two independent connections in independent earphones
Manual or automatic call acceptance mode
Dynamic codec selection according to area codes

VOIP PARAMETERS

Signaling protocol	SIP (RFC 2543, RFC 3261, RFC 3263) or H.323v4
Voice transmission protocol	RTP
VoIP codecs	G.711 aLaw and uLaw, G.723.1/A 5.3 kbps and 6.3 kbps, G.726, G.729A/B
DTMF support	RFC 2833

OTHER PROPERTIES

Network services	DHCP client NTP client
Audio set	The earphone-microphone set attached Loudspeaker

INTERFACES

Optical Interface	1x100Base-FX ST (MFM) connector
Speed rate	100 Mbps
or Electrical Ethernet Interface	1x10/100/1000Base-T/TX 8D0C13W08PN Souriau connector
Speed rate	10/100/1000 Mbps

EXTERNAL CONNECTORS

Connection the earphone-microphone set	MTF connector Connector type: 8D0C11W35SN Souriau
Connecting the interfaces with data	DATA connector (USB/RS232/CONSOLE) Connector type: 8D0C11W35SA Souriau
Power supply	POWER SUPPLY connector Connector type: 8D0C09W98PN Souriau

POWER SUPPLY

Power supply	+27 V (from 18 V to 33 V)
Power consumption	<13 W

OTHER TECHNICAL PARAMETERS

Dimensions (HxWxD)	140x270x71 mm
Weight	<2,5 kg
Mechanical and climatic classification	Groups N.7, N.8, N.9, N.10, N.11 and N.13-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	95-98% at +40°C

USER INTERFACE

19-contact keyboard, 2 special pushbuttons: OK/Menu, Esc/ALT. All pushbuttons are illuminated.
A colorful graphic LCD display, 480x272, 16 bits per pixel, placed horizontally with 5 functional pushbuttons placed under the display.

