



ELGATO Communications is a European company specialized on development and manufacturing of telecommunication equipment

We offer:

- Multichannel GSM-gateways (E1/PRI, SIP, H.323. 4-32 channels, 19" rack-mountable, height 1U & 4U)
- SIM-Server
- SIM-Bank (200 SIM cards)
- 8-channel GSM-card ISA/PCI series (100% Linux/Asterisk compatible)
- GPS/GSM alarm/tracking device
- Power GSM-switch (with 6 power outlets for 220 V, on/off control by SMS)

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Multichannel GSM Gateway ELGATO K32 (4U)



Technical specification

PRODUCT NAME:	Multichannel GSM-gateway ELGATO K32 (4U)
CONSTRUCTION	19" rack-mountable with cooling fans, 12 slots available for plug-in boards
INTERFACES/PROTOCOLS	
<i>PRI/E1 (optional)</i>	
E1 trunk card	Available with one or two E1 trunk on board. 30 PCM channels, Traffic 2 Mbps Standard G.703, G.704 ITU-T
Line code	HDB3; A-Law encoding, Master/Slave
PRI ISDN details	EDSS1 (Q.931), support DTMF. Connection via RJ45 connector
Impedance	120 Ohm standard impedance
GSM	
GSM channels	From 8 to 32 (step 8)
Network types	100% compatible with EU and US GSM networks (900/1800/1900 MHz) and with Brazil and Japan networks.
GSM engine	SimCom 300DZ
Transmitter power	2 W (1 W)
SIM card	Small plug-in, 3V
Antenna connector	SMA (female) Impedance 50 Ω
Mobile networks card:	8 GSM (900/1800/1900 MHz) or 8 UMTS (2100 MHz) modules per board. 1 SIM card per each module or unlimited SIM cards per channel with external SIM-bank.
<i>VoIP (optional)</i>	
Voice signalling	SIP/H.323
Number of voice channels	32 channels
Codecs	G.711 PCM at 64 kbps, G.729, G.723, G.726, DTMF recognition
Equipment	
Processor card:	One Ethernet 10/100-Base T port. Two COM(RS 232) ports; more Ethernet interfaces (optional)
External antenna splitter for 8 channels (optional)	
Input-output insertion loss	8–15 db
Input connector	SMA (female) Impedance 50 Ω
Output connector	SMA (female), impedance 50 Ω
Antenna	
Directed	High gain YAGI connected by coaxial cable, length:10m or longer (optional)
Discreet	Small discreet antennas with magnet base
MAINS	
Power supply	100–240V/50–60 Hz
Local control	Monitor VGA, Keyboard PS/2
Remote control	TCP/IP (Telnet protocol): SSH via internal interface IP/Ethernet: 10/100 Base-T, RJ-45
OTHERS	
Dimensions	485 x 180 x 520 mm
Weight	est.15 kg (depending on number of channel-boards)
Operating temperature	10–50 °C
Relative humidity	Max 95 % at 40 °C
Recommended	Air condition, UPS, grounding

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