



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

We offer:

- Multichannel GSM/3G-gateways (E1/PRI, SIP, H.323. 4-32 channels, 19" rack-mountable, height 1U & 4U)
- SIM-Server
- SIM-Bank (200 SIM cards)
- 4/8-channel GSM/3G-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)

www.elgato.com.ua

Ukraine Dnepropetrovsk 49000

t/f. +38(063)797-30-20, +38(056)7215188

Email: elgato.gsm@elgato.com.ua Skype: [elgato-ua](https://www.skype.com/en/contacts/voice/208887470) lcq: 208887470

Multichannel GSM Gateway ELGATO G8



Technical specification

PRODUCT NAME:	Multichannel GSM-gateway ELGATO G8
CONSTRUCTION	Metallic box with passive ventilation, 1 slot for radio-channels extension board (4 or 8 channel board)
INTERFACES/PROTOCOLS	
PRI/E1 (optional)	
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	4 / 8 channels
Network types	100% compatible with EU and US GSM networks (900/1800/1900 MHz) and with Brazil and Japan networks. WCDMA (3G) supported (option).
GSM engine	QUECTEL M10
Transmitter power	2 W (1 W)
SIM card	Small plug-in, 3V
Antenna connector	SMA (female) Impedance 50 Ω
Mobile networks card:	Channel card equipped with 4 GSM (900/1800/1900 MHz) or 4 WCDMA/UMTS/3G (option) modules per board. 1 SIM card per each module or unlimited SIM cards per channel with external SIM-bank.
VoIP (optional)	
Voice signalling	SIP
Number of voice channels	4/8 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 USB-ports: 1st port – external Flash-memory, 2 nd port– for WiFi or 3G-modem (option). One COM(RS 232) port, one PRI port (option)
External antenna splitter for 4/8 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	External power unit 12–19 V, DC, 4.5 A.
Local control	LED indication
Remote control	TCP/IP (Telnet protocol): SSH via internal interface IP/Ethernet: 10/100 Base-T, RJ-45
OTHERS	
Dimensions	209 x 40 x 118 mm
Weight	1 kg
Operating temperature	10–50 °C
Relative humidity	Max 95 % at 40 °C
Recommended	Air condition, UPS, grounding

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