



TECHNICAL SPECIFICATIONS



SIMADO GFX11E 4G – GSM (2G/3G/4G) Fixed Cellular Terminal for Voice Applications

SIMADO GFX11E is a specialized GSM[#] (2G/3G/4G) FCT that enables critical communication during emergency situations such as elevator breakdowns and power cuts. SIMADO GFX11E 4G establishes a communication link with the help center to allow a user in trouble to get immediate help. SIMADO GFX11E 4G can be used in various application areas such as elevators, ATM Centers, arcades, hospitals, shopping malls, and senior citizens' homes.

PRODUCT VARIANTS	
SIMADO GFX11E 4G	GSM (2G/3G/4G) FCT for Emergency Applications

Parameters	Specifications
Mobile Port	
GSM (2G/3G/4G) SIM Card	1

Frequency Bands	<p>LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28</p> <p>LTE-TDD: B38/B39/B40/B41</p> <p>WCDMA: B1/B2/B4/B5/B6/B8/B19</p> <p>GSM: B2/B3/B5/B8</p>
RF Transmission Power	<p>GSM850: Class 4 (33 dBm \pm2 dB),</p> <p>EGSM900: Class 4 (33 dBm \pm2 dB)</p> <p>DCS1800: Class 1 (30 dBm \pm2 dB)</p> <p>PCS1900: Class 1 (30 dBm \pm2 dB)</p> <p>GSM850 8-PSK: Class E2 (27 dBm \pm3 dB)</p> <p>EGSM900 8-PSK: Class E2 (27 dBm \pm3 dB)</p> <p>DCS1800 8-PSK: Class E2 (26 dBm \pm3 dB)</p> <p>PCS1900 8-PSK: Class E2 (26 dBm \pm3 dB)</p> <p>WCDMA: Class 3 (24 dBm +1/-3 dB)</p> <p>LTE-FDD: Class 3 (23 dBm \pm2 dB)</p> <p>LTE-TDD: Class 3 (23 dBm \pm2 dB)</p>
RF Sensitivity	<p>LTE B1: -99.5 dBm (10 MHz)</p> <p>LTE B2: -99.9 dBm (10 MHz)</p> <p>LTE B3: -99.7 dBm (10 MHz)</p> <p>LTE B4: -99.7 dBm (10 MHz)</p> <p>LTE B5: -99.9 dBm (10 MHz)</p> <p>LTE B7: -99.2 dBm (10 MHz)</p> <p>LTE B8: -99.8 dBm (10 MHz)</p> <p>LTE B12: -99.8 dBm (10 MHz)</p> <p>LTE B13: -99.5 dBm (10 MHz)</p> <p>LTE B18: -100 dBm (10 MHz)</p> <p>LTE B19: -99.9 dBm (10 MHz)</p> <p>LTE B20: -99.8 dBm (10 MHz)</p> <p>LTE B25: -100 dBm (10 MHz)</p>

	LTE B26: -99.5 dBm (10 MHz) LTE B28: -99.6 dBm (10 MHz) LTE B38: -99 dBm (10 MHz) LTE B39: -99.5 dBm (10 MHz) LTE B40: -99.2 dBm (10 MHz) LTE B41: -99 dBm (10 MHz) WCDMA B1: -109.2 dBm WCDMA B2: -110 dBm WCDMA B4: -109.5 dBm WCDMA B5: -110.4 dBm WCDMA B6: -110.5 dBm WCDMA B8: -109.5 dBm WCDMA B19: -110.1 dBm GSM850: -108 dBm EGSM900: -108 dBmDCS1800: -107.4 dBm PCS1900: -107.5 dBm
SIM Interface	1.8, 3V SIM Interface
Compliance	ETSI GSM Phase2/2+

FXS Port	
Connector	RJ11
Pulse Dialing	10 PPS +/- 10%, Make/Break = 33:67ms
DTMF Dialing and Reception	ITU-T Q.23 and Q.24
Off Hook AC Impedance	600Ω
Loop Feed	35mA (Max.)
Loop Limit	270Ω (Excluding telephone)
On-Hook Voltage (Tip-Ring)	-48V nominal
Return Loss	>18dB
Longitudinal Balance	>40dB
Ringing Voltage	Trapezoidal: 55Vrms@25Hz

Caller ID Presentation	DTMF and FSK ITU-T V.23 and FSK Bellcore 202A
Answering and Disconnect Signaling	Polarity Reversal for Call Connect/Disconnect Signaling
Protection	Solid-state over voltage Secondary Protection

Battery	
Internal Battery	NI-MH AAA 7.2V/800mA

Power Supply	
Input	12VDC@1.25A External Power Adapter (100-240 VAC, 47-63Hz) supplied by Matrix
Power Consumption	5W (Typical)
Connector	Casio DC Power Jack
Battery Back-up	4 hours (idle mode) 2 hours (talking mode)
LED Indications	Battery (BAT), Power Supply (PWR), Network (NW), SIM (RDY), FXS Port (FXS)

Mechanical	
Dimension (mm)	Width 133.5 x Height 198 x Depth 44.6 (5.26"x 7.80"x 1.76")
Mounting Options	Wall Mount and Tabletop
Unit Weight	0.4 kg. Approx.
Shipping Weight	0.9 kg. Approx.

Antenna	
Antenna Type	Monopole Omni Directional Swivel Antenna
Antenna Gain	1/3 dBi
Antenna Connector	SMA (Male), 50Ω

Environmental Conditions	
Storage Temperature	-40°C to +85°C (-40°F to +185°F)

Storage Humidity	0-95% RH, non-condensing
Operating Temperature	0°C to +45°C (34°F to +113°F)
Operating Humidity	5-95% RH, non-condensing

#: For compatibility and use of Matrix GSM products in Russia and Iran province connect with Matrix sales or technical support team

Note: Specifications are subject to change without prior notice

ABOUT MATRIX

Established in 1991, Matrix is a leader in Security and Telecom solutions for modern organizations. Matrix offers a comprehensive range of solutions for IP Video Surveillance, Access Control, Time-Attendance, and Telecom applications. The solutions are designed to meet the communication and security requirements of large enterprises having offices in multiple locations, SMEs, and SMBs.

As an innovative, technology-driven, and customer-focused organization, Matrix is committed to keeping pace with the revolutions in the Security and Telecom industries. With around 40% of its human resources dedicated to the development of new products, Matrix has launched over 60 cutting-edge products and solutions.

IP Video Surveillance includes solutions like Video Management Systems, Network Video Recorders, and IP Cameras. Likewise, solutions in Access Control and Time-Attendance include Visitor Management Solutions, Elevator Access Control, Panels, Door Controllers, and Readers.

We offer Telecom Solutions such as Unified Communications, IP-PBX, Universal Media Gateways, VoIP and GSM Gateways, and Communication Endpoints. All these solutions are feature-rich, reliable, and conform to international standards.



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