

EMI 3m

COMMUNICATION DEVICES - MODEM GSM-GPRS

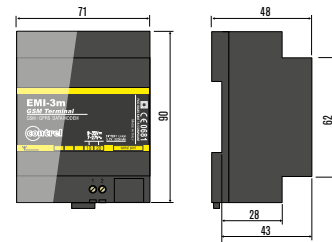
EMI-3m is an industrial DIN rail GSM modem for the transfer of data, SMS and faxes in GSM networks. Control by ITU, GSM, GPRS and Custom AT commands. EMI-3m come with either a Serial or USB interface and its modular enclosure fits easily into equipment or machinery. Designed to operate in harsh conditions, simplifies the development of M2M and IoT application. Quad band GSM / GPRS / EDGE communication with automatic or manual selection on bands 850 / 900 / 1800 / 1900 MHz for data, sms, fax and voice applications. Full Type Approved and compliant with ETSI GSM Phase 2+ and with Part 15 of the FCC Rules.

TECHNICAL CHARACTERISTICS	EMI-3m
AUXILIARY SUPPLY	
Rated voltage Us	9.5...35 VDC - 9.5...27 VAC
Operating limits	-
Power consumption	< 5W
Optional backup battery	Li-Poly
MODEM GSM/GPRS	
Frequency bands	Quad band 850 / 900 / 1800 / 1900 MHz
Output power	Class 4 for GSM850 Class 4 for GSM900 Class 1 for GSM1800 Class 1 for GSM1900
SIM INTERFACE	
Type of SIM	U-SIM compatible
GSM/GPRS ANTENNA CONNECTION	
Type of connector	SMA o FME
Type of connector	
Connection	RS232 (RJ45 connector)
Baud-rate	Programmable 300 ... 115200 bps
INSULATION	
Insulation voltage	3kVAC for 1 minute
AMBIENT CONDITION	
Operating temperature	-40...+85°C
Storage temperature	-40...+90°C
CERTIFICATIONS AND COMPLIANCE	
Comply with standards	EN 60950-1:2006, EN 60950-1 A11:2009, EN 60950-1 A1:2010 EN 60950-1 A12:2011, EN 50385:2002 EN 301 489-7 V1.3.1:2005-11, EN 301 489-1 V1.9.2:2011-09 EN 301 511 V9.0.2:2003-03

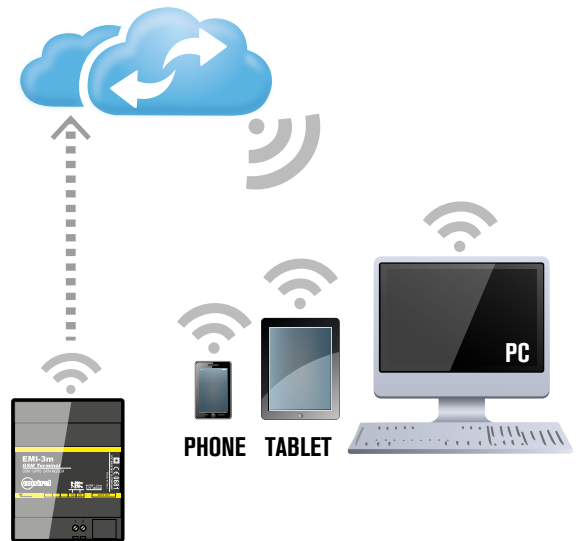
OPTIONS EXTERNAL GSM ANTENNA				
ORDER CODE				
STRIP + SMA		Adhesive antenna for non-metallic surfaces.	MiniSTUB SMA	Antenna to be fitted directly on connector.
STRIP + FME			MiniSTUB FME	
MAGNETIC + SMA		Magnetic antenna for metallic surfaces.	MiniFINGER SMA	Multi band outdoor antenna. Mounting: Wall / Pole
MAGNETIC + FME			MiniFINGER FME	
BODY SMA		Body mount outdoor antenna. IP69K	FINGER SMA	Multi band outdoor antenna. Mounting: Wall / Pole
BODY FME			FINGER FME	



MECHANICAL DIMENSIONS EMI-3m



WIRING DIAGRAMS EMI-3m



EMI-3m
MODEM
GSM-GPRS

Multimeter
EMM-μD3h

Multimeter
EMM-μD3h

Modbus
RS485



EMI-10m
Gateway



Modbus
RS485