

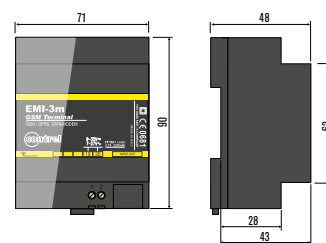
EMI-3m is an industrial DIN rail GSM modem for the transfer of data, SMS and faxes in GSM networks. Control by ITU, GSM, GPRS and Custom AT commands. EMI-3m come with either a Serial or USB interface and its modular enclosure fits easily into equipment or machinery. Designed to operate in harsh conditions, 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

