ETM9300 GSM/GPRS TERMINAL

Dual Band EGSM900/GSM1800/GPRS Class 10
DATA – SMS – FAX

The ETM9300 dual band GSM/GPRS modem is capable of transmitting data, short messages (SMS), and fax messages via the GSM/GPRS mobile network. Based on the Siemens GSM/GPRS dual band MC39i module, it utilises the GSM/GPRS network for convenient and inexpensive data transfer from remote instruments, meters, computers or control systems. The terminal is capable of GPRS class 8 and 10.

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Specifications:

Dimensions:	93 x 52 x 25 mm
Weight:	90 grams
Serial port:	9 pin D-Sub connector
Antenna connector:	FME male
Power supply:	6 - 35 Vdc
Current consumption:	Idle: 10mA @ 8 Vdc Max. aver when transmitting: 320mA @ 8 Vdc class 10 Max. aver when transmitting: 160mA @ 8 Vdc class 8 Max. peak current when transmitting @ 1 A during 1 ms
Temperature:	Normal operation: -20°C to +55°C
SIM card:	3V

GSM Properties:

Frequency bands:	Dual Band EGSM 900 and GSM 1800
Compliant to:	GSM Phase 2/2+
Transmit power:	Class 4 (2W) at EGSM 900, Class 1 (1W) at GSM 1800
GPRS connectivity:	GPRS multi-slot class 10
GPRS mobile station	Class B

DATA GPRS, CSD:

GPRS data downlink transfer:	max. 85.6 kbps
GPRS data uplink transfer:	max. 42.8 kbps
Coding scheme:	CS-1, CS-2, CS-3 and CS-4
Supports the two protocols	PAP (Password Authentication Protocol)
used for PPP connections:	CHAP (Challenge Handshake Authentication Protocol)
CSD transmission rates:	2.4, 4.8, 9.6, 14.4 kbps, non-transparent, V.110
SMS storage:	SIM card plus 25 SMS locations in the mobile equipment
FAX Group 3:	Class 1, Class 2
Support of Packet Switched Broadcast Control Channel (PBCCH) allows you to benefit from enhanced GPRS performance when offered by the network operators.	
Unstructured Supplementary Services Data (USSD) support SM,S MT, MO, CB, Text and PDU mode	
Transmission of SMS alternatively over CSD or GPRS. Preferred mode can be user-define.	

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