

ETM9140-8

2G/3G/4G INTELLIGENT SERIAL MODEM



The ETM9140 series are industrial grade intelligent 2G/3G/4G terminals with a powerful microprocessor and built in datalogger designed for demanding industrial applications. The low power consumption of less than 1 milliwatt makes the ETM9140 suitable for battery operation and long service life.

Typical applications are:
Data collections from electrical or water meters, pump monitoring and control, cold and computer room alarm handling, tank level and temperature monitoring.

INTELLIGENT CELLULAR 2G/3G/4G TERMINALS FOR REMOTE MONITORING, MEASURING AND CONTROL

BENEFITS

- Low power mode for battery operation
- Pulse counting for metering applications
- Data logging of analogue sensors
- Alarm sending and ON/OFF control using SMS or IP
- Easy access to logged measurements via optional remote WEB interface

FEATURES

- RS232 serial port
- 7 inputs/outputs on RJ12 connector
- Twelve-band LTE (4G)
- Seven-band UMTS (3G)
- Quad-band GSM/GPRS (2G)
- TCP/IP stack
- 3 status LED's



The ETM9140 is equipped with 7 inputs/outputs and can also provide power supply to the sensors with stabilized 5V, 16V or supply voltage.

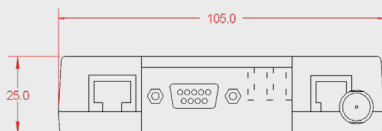
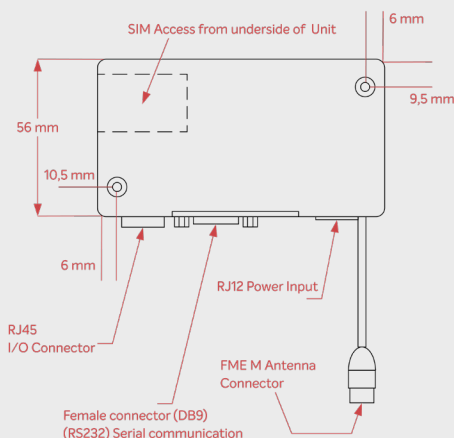
APPLICATIONS

- Remote solar powered applications
- Remote access to data loggers or PLC
- Mobile telematics solutions
- Automatic electricity meter reading

INPUTS

- DB9 Female connector
- RJ12 power input
- RJ45 I/O connector

PHYSICAL DIMENSIONS



SPECIFICATIONS

Model	ETM9140-8
Part.no	71456
Module	Cinterion PLS62-W
Cellular	2G, 3G, 4G
GNSS	No
Frequency/bands	<p>GSM/GPRS (2G) 850/900/1800/1900 MHz</p> <p>UMTS (3G) 800/850/900/AWS/1800/1900/2100 Mhz (bands 1, 2, 4, 5, 8, 9, 19)</p> <p>LTE (4G) 700/800/850/900/AWS/1800/1900/2100/ 2600 MHz (bands 1, 2, 3, 4, 5, 7, 8, 12, 18, 19, 20, 28,)</p>
Data transmission	<p>LTE Cat1: DL:10.2 Mb/s, UL:5.2 Mb/s</p> <p>UMTS/HSPA+: DL:7.2 Mb/s, UL:5.76 Mb/s</p> <p>GPRS: Class 12</p> <p>SMS: Yes</p> <p>TCP/IP: Yes</p>
Dimensions	105 x 56 x 25 mm
Weight	110 g
Power supply	+6 VDC to +35VDC
Power consumption	600mA (rated), <250mA (transmitting), <35mA (idle), <0.15mA (sleep)
Operating temp.	-30°C to +70°C
Antenna	FME M
Interfaces	RS232 serial (DB9), Power (RJ12) and I/O (RJ45) connectors.
Inputs/Outputs	<p>Digital inputs: I/O 1 to 7**: LL<0.5 V, HL>2.5 V, Max Input ±50 VDC</p> <p>Digital outputs: LL 0 V, 0.1 mA; HL 3 V, 0.1 mA</p> <p>Pulse inputs: I/O 1, 2 & 3</p> <p>Analogue inputs: I/O 3, 4, 5, 6, 7: 0-2.5 VDC</p>
Logging	<p>Logging capacity: 3000/logging channels, min. 1 minute log interval</p> <p>Log types: Analogue 0-2500mV, Pulse (counter), Pulse (frequency)</p>
Sleep mode	Programmable with internal or external wake up activation.
Accessories	Antennas, leads, cables, power supply and mounting brackets.

*Your chosen wireless carrier may not offer support for all described functionality - please contact us for technical qualification.

ETM Mätteknik AB

Ekbacksvägen 32, 168 69, Bromma, Sweden
Tel: +46 (0)8 25 28 75 E-mail: sales@etmiot.se
www.etmiot.se

ETM Pacific Pty Ltd

Suite 6, 273 Alfred Street, North Sydney NSW 2060, Australia
Tel: +61 (0)2 9956 7377 E-mail: sales@etmpacific.com.au
www.etmiot.com.au

