The ETM9140 3G/4G AUS is an intelligent terminal designed for SMS alarm, data logging, monitoring and control. The unit includes 7 IO’s and a 4G/3G cellular engine. Typical applications include: SMS alarm, pump ON/OFF control, water metering, rainfall monitoring, temperature alarm/data logging, tank level monitoring, mains power failure and server room alarms.
The ETM9140 3G/4G AUS terminals are industrial grade intelligent modems designed for demanding SMS or IP based monitoring applications. The ETM9140 3G/4G AUS’s low power consumption and wide operating range make it suitable for solar or battery operated installations in remote areas.

Model: ETM9140 3G/4G AUS
Module: Cinterion ELS61-AUS
Connectivity: 4G and 3G
Frequency: Quad-Band LTE: Bands 3, 5, 8, 28 (1800, 850, 900, 700 MHz)
Tri-Band UMTS: Bands 1, 5, 8 (WCDMA/FDD 2100, 850, 900 MHz)

Data transmission:
- 4G/LTE LTE Cat.1 DL: max. 10.2 Mbps, UL: max. 5.2 Mbps
- UMTS HSPA+ Cat.8 data rates DL: max. 7.2 Mbps, UL: max. 5.76 Mbps
- CSD Yes (only on 3G, 4G/LTE Networks do not support CSD)
- SMS Yes
- TCP/IP Yes

Dimensions: 105x56x25 mm
Weight: 110 g

Power supply: + 5 VDC to + 35 VDC
Power consumption: 600 mA (rated), < 250mA (transmitting), < 35mA (idle), < 0.15mA (sleep)
Operating temp: -30°C to +70°C

Antennas: 2 x FME M antenna leads
Interfaces: RS232 serial connector (9DF), I/O Connector (RJ45), Power connector (RJ12)

Inputs/outputs:
- Digital inputs: I/O 1 to 7*: LL<0.5 V, HL>2.5 V, Max Input ±50 VDC
- Digital outputs: I/O 1 to 7*: LL 0 V, 0.1 mA; HL 3 V, 0.1 mA
- Pulse inputs: I/O 1, 2 & 3
- Analogue inputs: I/O 3,4,5,6,7*: 0-2.5 VDC, Can accept 0-10V or 4-20mA inputs with IO Board**
- Power output: I/O 7 can be used for sensor power when combined with optional IO board**

SMS Alarm: Yes - all 7 inputs plus power input monitoring, 5 ph numbers in phonebook
Logging capacity: 3000/logging channels, minimum 1 minute log interval
Logging types: Analogue 0-2500 mV (scalable), Pulse (counter), Pulse (frequency)
Sleep mode: Programmable with internal or external wake up activation.

Accessories: Many types of antennas, leads and cables, power supply and sensors.

* Contact ETM for detailed IO configuration capabilities, **Requires optional IO Board

Your chosen wireless carrier or infrastructure may not offer support for all described functionality – please contact us for technical qualification.