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.

- Alarm sending over SMS or IP
- SMS phone book, 5 numbers
- ON/OFF control using SMS or IP
- 700MHz Band 28 / 4GX compatible
- Fallback to 3G
- Pulse counting for metering applications
- Data logging of analogue or pulse inputs
- Low power mode for battery operation
- Easy access to logged measurements via optional remote WEB interface
ETM9140 3G/4G AUS

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), <250 mA (transmitting), <35 mA (idle), <0.15 mA (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 4-20 mA 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

**Log 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.