



Sycada *m!Trace Pro I* – GPS Telematics Terminal



General Specifications

- Power supply:
 - Maximum voltage range: 6 to 36Vdc
- Interfaces:
 - Power supply
 - 4 digital inputs (1 as odometer)
 - 4 digital outputs
 - 2 analogue inputs
 - RS-232 Serial port
 - RS-485 Serial port
 - Odometer input
 - GSM antenna connector
 - GPS antenna connector
- Approvals:
 - CE marking
 - E marking
- Power consumption - typical average @ 12V:
 - Low power mode 2.0mA
 - Sleep mode 6.0mA
 - Running 180.0mA
- Temperature:
 - Operating -40 °C to 85 °C
 - GSM compliant -20 °C to 70 °C
 - Storage -40 °C to 85 °C

Firmware specifications

- 32 bits RISC ARM7 core up to 50 MIPS
- Linux OS (kernel x. 2.4.18)
- Memory
 - 8MB flash
 - 16 MB RAM

GSM/GPRS Specifications

- Quadband GSM
- GPRS Class B, Class 10 (4+2)
- Data calls
- SMS (MT/MO)

GPS Specifications

- Receiver: 16 channels
- Update rate >4Hz
- Accuracy: 2.5 m CEP
- Signal acquisition:
 - Cold start: 34 sec
 - Warm start: 22 sec
 - Hot start: 3.5 sec
- Signal reacquisition: <1 sec
- 3.3 Volt power supply for active antenna

Mechanical Specifications

- Dimension: 108(W) x 27(H) x 55 (L) mm
- Weight: 170 gr
- Material: Anodized aluminium
- Connectors:
 - GSM: Fakra D plug
 - GPS: Fakra C plug
 - AMP Micro Mate N lock 14 pins
 - RS-232 DB-9 (female)
 - Molex mini it 6 pins
 - SIM card holder (tamper proof)

Accessories

- Immobilizer relay
- iButton
- Trip type selector switch
- Internal battery 1000mAh