



## Sycada m!Trace Pro II – GPS Telematics Terminal



### General Specifications

- Power supply:
  - Nominal voltage range: 12 to 36Vdc
  - Maximum voltage range: 8 to 40Vdc
- Interfaces:
  - Power supply
  - 2 analog inputs
  - 7 digital inputs (4+3)
  - 5 digital outputs (4+1, 2 configurable as PWM)
  - Audio (In/Out 2,5W)
  - RS-232 Serial port
  - RS-485 port
  - CAN port
  - Odometer input
  - GSM antenna connector
  - GPS antenna connector
- Approvals:
  - CE marking
  - E marking
- Power consumption - typical average @ 24V:
  - Off 0.2mA
  - Deep sleep (CPU standby) 13,0mA
  - Running 115mA
- Temperature:
  - Operating -25 °C to 70 °C
  - GSM compliant -25 °C to 55 °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

- EGSM 900/1800
- GPRS Class B, Class 8 (4+1)
- Audio calls
- 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: 168(W) x 35(H) x 55,25(L)
- Weight: 290 gr
- Material: Anodized aluminium
- Connectors:
  - 2 SMA (female)
  - Molex 24 pins
  - RJ45
  - 2 jack 3,5 mm
  - RS-232 DB-9 (female)
  - Molex mini it 6 pins
  - SIM card holder

### Accessories

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