

Mapon Mini

specification

Size and Weight

Height: 59 mm

Width: 77 mm

Depth: 16 mm

Weight: 44 g

Power

Operating voltage 8V to 30V DC

Memory

3x 16 Mbit SPI memory

Special features

Standalone mode with intelligent memory control if connection with server not available

Intelligent data acquisition and transfer algorithm via GPRS (TCP/IP)

Smart data roaming algorithm

Realtime GPS and sensor data acquisition and transfer

Interfacing to vehicle on-board systems

Internal 3-axis accelerometer

Inputs and Outputs

1 ignition input

2 digital/analog inputs

1 digital output

2 SMA connectors for GPS/GSM antennas

1-Wire Input (up to 6 devices (temperature sensors DS18S20 and iButton))

1 CANbus interface



LEDs

Green (GPS)

Orange (GSM)

Red (Errors)

GPS/GSM

Cellular

Dual band : GSM 900/1800MHz
Class 4 (+33dBm $\pm$ 2dB) for 900
Class 1 (+30dBm $\pm$ 2dB) for 1800
Multislot Class 8 (dual band)

Environmental requirements

Nonoperating temperature:

-40° to 85° C

Relative humidity: 5% to 95%

Standard set

External GPS antenna

Documentation

Mapon Mini

Location

72 channel GNSS receiver

Horizontal position accuracy
 $\pm$ 2.5m

Velocity accuracy $\pm$ 0.5 m/s

Heading accuracy $\pm$ 0.3 degrees

GLONASS support

Sensitivity

Tracking & Navigation 167
dBm