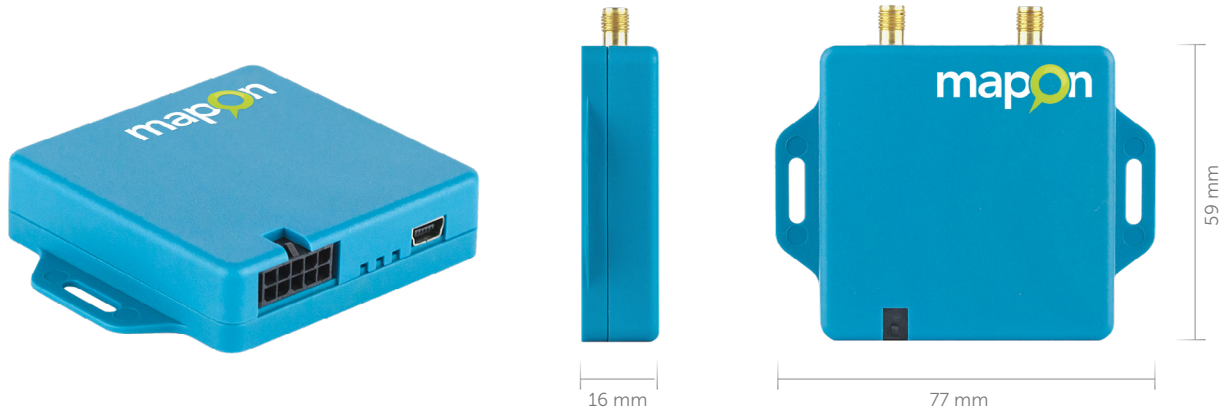


# Mapon Mini

## 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  
USB port for real time monitoring and configuration

### 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)

Horizontal position accuracy 2.5 m  
Velocity accuracy 0.5 m/s  
Heading accuracy 0.3 degrees  
GLONASS support

### Standard set

External GPS antenna  
External GSM antenna  
Documentation  
Mapon Mini

#### Location

72 channel GNSS receiver

#### Sensitivity

Tracking & Navigation 167 dBm  
Reacquisition 160 dBm  
Cold Start 148 dBm

### Environmental requirements

Nonoperating temperature: -40° to 85° C  
Relative humidity: 5% to 95% non condensing