

# Mapon Expert 2G

## specification

### General

#### Size and weight

Height: 101 mm  
Width: 123 mm  
Depth: 22 mm  
Weight: 140 g

#### Memory

64Mbit Flash memory

#### Power and battery

Li-ion backup battery 700 mAh  
Operating voltage 10V to 30V DC  
Average current consumption 250 mA



### Interfaces

#### Digital inputs

1x Input reserved for ignition status  
2x positive trigger inputs (max 30V)  
1x negative trigger input

#### Analog inputs

2x 0 to 30V  
2x 0 to 5V

#### Other

SMA connector for GPS antenna  
1-Wire Input (up to 6 devices)  
2x CANbus interfaces  
3x RS-232  
USB port  
1x digital output

### GNSS/Cellular

#### 2G

Quad band: 850/900/1800/1900 MHz  
Class 4 (2W @850/900 MHz)  
Class 1 (1W @1800/1900 MHz)  
GPRS Multislot Class: 12

#### Location

GPS, GLONASS, Galileo, QZSS  
Acquisition: -149dBm  
Tracking: -167dBm  
Reacquisition: -161dBm

### Other

#### Status indicator

LED

#### Environmental requirements

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

#### Standard set

Mapon Expert  
External GPS antenna  
Documentation