

# VG100, Vehicle Gateway

## Connecting Vehicles on the Road

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VG100 is a gateway designed to be integrated into vehicles as an accessory for the M900P rugged tablet. It provides communications across in-vehicle by the CANbus, RS485 interfaces, GPIOs. It can also control I/O based upon message and signals received from the vehicle network.



### Highlights

- RS485, CANBus for communications with vehicle ECU
  - USB 2.0 Type A Connector For Video Grabber Dongle
  - Wide power input 9-36V DC and ignition control
  - Protection of short circuit with automatic recovery
  - Power output 12V DC/ 38W for M900P tablet
  - Dedicated solid molding cables for vehicle data communications
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### Interface

CANBus	1 x CANBus connector with isolation
RS485	1 x RS485 connector with isolation
USB	1 x USB 2.0 Type A connector
GPIO	2 x input, 2 x output (5V)
Power Input	1 x Power jack with isolation

### Power Management

Power Input	9~36V DC stabilized constant vehicle power
Power Output	12V DC, 38W power output for tablet computer
Power Ignition	Vehicle power ignition
Surge Protection	Protection of short circuit with automatic recovery
Power Off Delay	Support power off delay time

### User Controls

LED Indicators	1 x LED Indicator (Green)
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### Mechanical Specifications

Dimensions <sup>2</sup>	132 x 80 x 40 mm
Weight	0.5 kg
Housing	Metal
Mounting	2 Screws on both side (Total 4)

### Environment

Operating Temperature	- 20~70°C
Storage Temperature	- 25~80°C
Humidity	- 10% to 90% RH, non-condensing

### Accessories

#### Standard Accessories

Cable to Vehicle Power, 1.8m
D-Sub Cable to Vehicle Data, 1.8m
D Sub Cable to Tablet, 2m

1. Length measurements do not include protrusions.
2. Accessories and may vary depending on your configuration.
3. This is a simplified drawing and some components are not marked in detail.

### Drawing<sup>1</sup>

