
CUMBUS

Technical specification

Version 1.0
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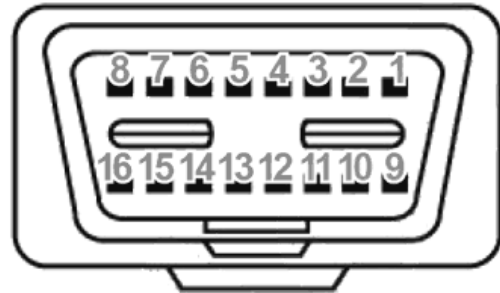
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Device Connectors & Pin Assignment

Front view



Pin#	Signal Name	Description
1	NC	No connect
2	J1850 Bus+	SAE J1850 Data Transmission cable (+)
3	NC	No connect
4	GND	Signal ground
5	GND	Signal ground
6	CAN-H	ISO 15765-4; CAN Bus Diagnostic Cable (H Cable)
7	ISO-K	SAE J1850 Data Transmission cable (-)
8	NC	No connect
9	NC	No connect
10	J1850 Bus	ISO 15765-4; CAN Bus Diagnostic Cable (L Cable)
11	NC	No connect
12	NC	No connect
13	NC	No connect
14	CAN-L	ISO 15765-4; CAN Bus Diagnostic Cable (L Cable)
15	ISO-L	ISO 9141-2 Data Transmission Cable (L Cable)
16	VIN	Battery Supply Input (12V/24V)

Back view

SIM Card Do not remove until advised by LnF Customer Service



Side view (LED)

GSM LED Indicator
GPS LED Indicator



GSM LED Indicator

Power Mode	GSM/GPRS Status	GSM LED
Power Off	N/A	Off
Low Power	N/A	Off
Full Power	Acquiring	Flash Yellow (3x / sec.)
Full Power	Registered	Solid Yellow

GPS LED Indicator

Power Mode	GPS Status	GPS LED
Power Off	N/A	Off
Low Power	N/A	Off
Full Power	Acquiring	Flash Green (5x / sec.)
Full Power	Tracking	Solid Green

Side view (USB)

Micro USB Connector Do not use until advised by LnF Customer Service
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Technical Specification

Characteristics

Dimensions (L x W x H) 48mm x 66mm x 25mm

Weight 53g

Radio Performance

Frequency Quad-band 850/900/1800/1900MHz

GSM Functionality / GPRS

GPRS Mode Multi-slot Class 10

GPRS Coding Scheme CS1,CS2,CS3 and CS4

GSM Antenna Internal

SIM Interface SIM Card 1.8V, 2.9V Supported

GPS Functionality

Receiver 50 Channels

Sensitivity (Tracking) -160dBm

Antenna Type Internal GPS Active Antenna, 3.3V

Connector SMA Female

GPS Protocol NMEA 0183 Ver3.0

Onboard Components

MCU 32-bit Microcontroller

Data Memory 8MB Flash

Motion Sensor 3-axes Acceleration Sensor

Led Indicator GPS and GSM Indicator

Electrical

Power Source DC 8V to 30V

Power Consumption 145mA @ 12V (Operating Mode)
10mA @ 12V (Standby Mode)

Environment

Operating Temperature -20 °C to +70 °C (Without Backup Battery)
-20 °C to +60 °C (With Backup Battery)

Battery

Rechargeable Backup Battery 130mAh, Li-Polymer

Disclaimer Notes

General

This LOSTnFOUND® CUMBUS device works solely based on the GSM (Global System for Mobile Communication) & GPS (Global Positioning Satellites) Coverage. Thus, its functionalities solely rely on the availability of the network coverage. The manufacturer, its subsidiaries, authorized dealers, distributors and installers do not warrant the operation of this device will be not interrupted or error-free.

In no event will the manufacturer, its subsidiaries, authorized dealers, distributors, dealer and installers shall be liable for any general, special, incidental, or consequential damages and losses due to any cause of operation of the device or any failure of the device to perform, including any lost, expenses, cost incurred or suffered whether caused directly or indirectly or arising from the function or malfunction of the device.

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