

PTVoiceBox 4G (EU) Broadband Solution

Compact 4G (LTE) module for voice and data transmission (M2M/IoT) with integrated GPS and Wi-Fi hotspot for the European market.

Article Number

6609-006-104-51



Characteristics

- LTE with multi-antenna (MIMO) technology and VoLTE support
- Wi-Fi hotspot
- Integrated GPS module
- Extensive Range of Accessories
- Excellent telephony and audio quality
- Optimal reception through various connections for external antennas
- Stand-alone system with SIM card holder (Mini SIM 2FF)
- Removable handset for discreet phone calls
- 6 digital I/O ports
- Individually adjustable restrictions
- Programming interfaces: AT commands via USB, RS-232, SMS or MQTT
- Remote configuration via the online platform [Bridge](#)

Scope of delivery

- Connection diagram plan
- PTVoiceBox 4G (EU) voice and data module
- Power supply cable

Options

- Software Feature "Hidden Emergency Call" (6999-012-000-00)
- Software Feature "Automatic Redialling" (6999-013-000-00)

Application range

- Company Cars and Fleets
- Safety and Emergency Services
- Transport and Logistics
- Taxis and Buses
- Car Rental Agencies
- Limousine Services
- Boats and vessels
- Agricultural, construction and forestry machinery

- Campers, caravans and outdoor equipment
- Fixed application, like for example cabins, roadside emergency phones
- Waste management

Accessories

- [HA59 as second handset \(package\) \(6508-006-100-51\)](#)
- [ME16 hands-free microphone \(6922-001-002-51\)](#)
- [KL18 loudspeaker \(6601-011-000-51\)](#)
- [Headset adapter cable with headset \(6609-002-000-51\)](#)
- [TF1 PTT button with gooseneck \(6703-007-000-51\)](#)
- [ME251 gooseneck microphone \(6908-005-002-51\)](#)
- [2.5 m extension cable for the HA59 handset \(6098-260-005-51\)](#)
- [5.0 m extension cable for the HA59 handset \(6098-260-007-51\)](#)
- [I/O cable kit \(6708-004-000-00\)](#)

Specifications

General

Dimensions	Width 96 mm (72 mm w/o retaining tabs), length 132 mm, height 26 mm
Weight	165 g (5.8 oz)
Technology	LTE, UMTS, GSM, Wi-Fi, GPS
Networks	LTE: B1(2100), B3(1800), B7(2600), B8(900), B20(800), B28A(700) UMTS: B1(2100), B3(1800), B8(900) GSM: B3(1800), B8(900)
Wi-Fi	Wi-Fi 4 (802.11n); 2.4 GHz
USB port	PTVoiceBox as a LTE modem
Phone book memory	Integrated memory for up to 5.000 contacts 3 numbers each (business, private, mobile)
Storage temperature	-30 °C to +80 °C
Operating temperature	-20 °C to +70 °C
Power supply	Operating voltage: 10 V to 32 V (Perfect for passenger cars and trucks)
Virtual ignition	Perfect for vehicles without ignition cable: When enabled, the PTCarPhone detects changes in the power supply and turns on automatically when the engine is started.

Connection ports

Electronics box and cable set	2x LTE antenna (SMA, 2x) 1x GPS antenna (SMA) 1x Wi-Fi antenna (SMA) 1x SIM card holder (Mini SIM card, 2FF) 2 ports for handsets (RJ50 western plug, RS232 with V24 level) 1x USB port (Mini-USB 2.0, Modem function for data transfer) 1x Hands-free microphone (Plug: Molex 5557; Sensitivity: 700 mV/Pa (-3 dBV/Pa ± 3 dB) at 8 V/680 Ohm) 1x Cable set (inclusive power supply, speaker connection and radio mute connection) 1x Speaker (Plug: 2-pole Molex (supply cable)) 6 digital I/Os (Connection ports for I/O cable kit, max. current rating: 150 mA per connection, plus 1 digital output for radio mute)
Connections to the vehicle	