

# Vodafone Business USB Connect LPWA v2

## Datasheet

### Intelligently connect your solutions with Low Power Wide Area (LPWA) technologies

Vodafone Business USB Connect LPWA v2 is a compact modem which is simple to deploy and manage – it's ready to go out of the box. This device uses our leading IoT connectivity, you can access our extensive and reliable LPWA networks, allowing you to process data from solutions deep or on the edge of mobile coverage.

### Unbox, plug in and connect

Simply plug this modem into a USB-Type A port and you're ready to go. Our modem offers multiband LTE Cat M (M1) and NB-IoT (NB1) IoT connectivity integrated in the device. This device suits light industrial IoT applications where extended coverage or reduced power usage are required.

### Deploy anywhere in the world

We understand the compliance requirements for local and multi-national deployments. This device has multiple bands and frequencies available to operate in highly regulated markets, making sure you stay intelligently connected for longer, even in countries with complex local regulations.

### Understand how your devices are performing, anytime

The device can be remotely managed via open-source Lightweight M2M (LwM2M) or SMS commands, so that you can monitor, troubleshoot and configure your devices when and how you want to. If they need updates, you can deploy firmware over-the-air (FOTA), saving you time and engineer costs.

### A resilient device, designed to work in tough locations

With its robust design and IP41 environmental resilience rating, this modem can operate in a range of environments.

### Built in antennas boost signal coverage

Equipped with an internal antenna, you will receive enhanced network coverage. You have the option to add an external antenna if required via the TS-9 antenna port.



LTE Cat M and NB-IoT cellular support



Easy installation  
(Windows or Linux)



Built-in antenna



Antenna port (1x TS-9) to support additional external antenna



Hardened IP41-certified enclosure



IPv4/IPv6 dual stack



Remote management via open-source Lightweight M2M (LwM2M) and SMS



Remote firmware upgrade over the air (FOTA)

# Vodafone Business

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## Technical specifications

### Hardware

#### RAT support

- LTE Cat M (M1)
- NB-IoT (NB1)

#### Platform

- Qualcomm MDM 9206

#### IP rating

- IP41

#### Power

- 5VDC / 500mA / 2.5W

#### Size & weight

- 88.0 x 27.4 x 11.45 mm
- 19g

### Frequency bands

#### LTE (Cat-M1 / NB1):

- B1, B2, B3, B4, B5, B8, B12, B13, B20, B28

### Cellular performance\*

#### LTE Cat-M (M1):

- Max upload: 375 Kbps
- Max download: 300 Kbps

#### NB-IoT (NB1):

- Max upload: 50 Kbps
- Max download: 20 Kbps

### Environment

#### Operating temperature / humidity

- -20°C to +55°C
- 0-95% non-condensing

### Antenna

- Internal and External (TS9) Diversity Antennas

### Remote management

- Lightweight M2M (LwM2M)
- SMS commands

### Physical interfaces

- 3FF SIM slot
- USB Type-A 2.0 male port
- LED (Network RAT & Status)
- x1 TS9 connectors

### Certification

- EU
- USA
- Canada
- Mexico
- UK

### Operating systems

- Linux Kernel 2.6.29 and above natively supported
- Windows 10 & 11 drivers available

### Package content

#### Device box

- LPWA modem
- Public safety information leaflet
- Radio information leaflet

\* Figures shown are for optimal conditions and actual speeds may vary due to network and signal conditions.

For more information visit our website: [vodafone.com/business/products/iot-connectivity/](https://vodafone.com/business/products/iot-connectivity/)