Gate2Care

Home Healthcare

Wireless Communication Gateway

INSTRUCTIONS FOR USE

ALTANEOS
innovative product development

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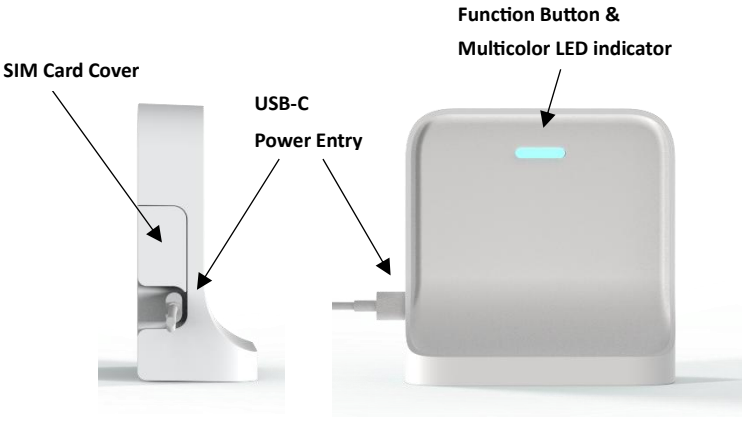
Gate2Care and its accessories



Mains Wall-Plug Adapter
(shown with US Plug)

EU, US and UK
Interchangeable Plugs

1. Introduction

Gate2Care is a wireless communication gateway. It is intended to establish the communication between a wireless sensor (using the Bluetooth® technology) in a Home Healthcare Environment and a digital system located in the Internet (using either WiFi® or GSM/LTE networks).

The device doesn't require the use of a Smartphone or any other connected device to be used. Gate2Care has been provided to you by a professional Home Healthcare company as part of a complete kit including one or several sensors.

This Instruction for Use document focuses only on essential information for the Gate2Care device (intended use, safety, performance), while the day-to-day use of the device is documented on a separated guide provided separately and depending on the specific Home Healthcare system you are using.

2. Quick start guide

- Unpack the device.
- Place the device in any room (indoor use only).
- Position can be horizontal or vertical.
- Select the right Mains plug (EU, US or UK) and place it on the Wall-Plug Mains Adapter.
- Plug the USB-C connector of the Adapter in the device.
- Plug the Adapter into the Mains outlet.
- The device is no powered and the multicolor LED indicator starts blinking.

3. Function Button

The use of the illuminated button depends on the specific Home Healthcare system you are using. See additional documentation provided for details.

4. Multicolor LED indicator

The meaning (color and blinking) of the LED indicator depends on the specific Home Healthcare system you are using. See additional documentation provided for details.

5. Power Supply and Internal battery

Gate2Care is provided with an internal battery allowing the device to continue running for some time if the Mains Adapter is disconnected. If Mains Adapter is disconnected, the LED indicator will provide specific indication and specific warning will be sent to the data management system on the Internet. The behavior depends on the specific Home Healthcare system you are using. See additional documentation provided for details.

The normal use of Gate2Care requires that the Mains Adapter is connected to a Mains wall outlet and to Gate2Care. The internal battery is provided as a backup power only.

Important Note:

If a different USB-C Mains adapter is used, its specifications must be at least equivalent to those of the adapter supplied with the product. It must also be a Limited Power Source (LPS) type adapter.

6. Technical Specifications

General	
Trademark	Gate2Care
Device model reference	P00681-001
Adaptor model reference	PEAMW12I-10-USBC
Power Supply – Adapter	
Nominal input voltage of the adapter	90-265 V AC
Nominal input frequency of the adapter	50-60 Hz
Nominal output voltage of the adapter	5V DC
Nominal output power of the adapter	12W
Power Supply – Device	
Nominal input voltage of the device	5 V DC
Nominal output power of the adapter	7.5W
Internal rechargeable battery	Li-Polymer 3.7V 1000mAh
Internal non-rechargeable battery	Lithium Coin Cell CR1225
Classification	
Mode of operation	Continuous
Insulation class of adapter	II
Ingress protection code	IPX0
Physical characteristics	
Dimensions	98x98x42mm
Weight	142g
Operating Conditions	
Temperature	+10°C to +40°C +50°F to +104°F
Relative humidity	55-85%
Altitude	< 2000m
Storage Conditions	
Temperature	-20°C to +40°C -4°F to +104°F
Relative humidity	55-85%
Altitude	< 2000m

7. Integrated Radio Interfaces

Radio Interface	Technical Specifications
WiFi	2.4 GHz WiFi (802.11 b/g/n) 2412-2472 MHz 20/40MHz BW DSSS & OFDM Modulations Channel spacing 5 MHz Onboard PCB antenna 3.26dBi Transmit Power 19.9dBm EIRP
Bluetooth	2.4 GHz Bluetooth 5 2402-2480 MHz GFSK Modulation Channel Spacing 2 MHz Onboard PCB antenna 3.26 dBi Transmit Power 10dBm EIRP
LTE Cat 1bis	LTE-FDD bands: B1/B2/B3/B4/B5/B7/B8/B12/ B13/B18/B19/B20/B25/B26/B28/B66/B71 LTE-TDD bands: B34/B38/B39/B40/B41 Maximum Output Power: +23dBm±2.7dB (LTE Power Level 3) Antenna peak gain: 698~824MHz: 0.40dBi 824~960MHz: 1.60dBi 1710~2170MHz: 3.50dBi 2300~2400MHz: 3.60dBi 2500~2690MHz: 2.10dBi
GNSS Receiver	GPS/Galileo/GLONASS/Beidou L1 Compatible 1559-1609 MHZ Operating Frequency Range Antenna peak gain: 0.7dBi
NFC Tag	ISO15963 NFC Tag – 13.56 MHz

8. CE Marking

This is a class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

EU Declaration of Conformity

Altaneos hereby declares that the device is in compliance with the essential requirements and other relevant provisions of directives 2014/53/EU, 2011/65/EU and (EU)2015/863.

RF Exposure Information

This device meets the EU requirements (2014/53/EU Article 3.1a) on the limitation of exposure of the general public to electromagnetic fields by way of health protection.

9. FCC Statement (USA)

FCC ID: 2BUWO-00687001

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

This equipment complies with FCC's radiation exposure limits set forth for an uncontrolled environment under the following conditions :

1. This equipment should be installed and operated such that a minimum separation distance of 20cm is maintained between the radiator (antenna) and user's/nearby person's body at all times.

2. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

10. IC Statement (Canada)

IC

CAN ICES-3 (B)/NMB-3(B)

This equipment complies with RSS102's radiation exposure limits set forth for an uncontrolled environment under the following conditions:

1. This equipment should be installed and operated such that a minimum separation distance of 20cm is maintained between the radiator (antenna) and user's/nearby person's body at all times.

2. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet équipement est conforme aux limites d'expositions de la CNR102 applicables pour un environnement non contrôlé aux conditions suivantes:

1. Cet équipement devra être installé et fonctionner de telle manière qu'une distance minimale de séparation de 20 cm soit maintenue entre la partie rayonnante (l'antenne) et l'utilisateur / les personnes à proximité à tout moment.

2. Cet émetteur ne doit pas être co-localisé ou opérer en conjonction avec toute autre antenne ou émetteur.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.

2 This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. L'appareil ne doit pas produire de brouillage;

2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.