



ALTANEOS

innovative product development

Gate2Care

HOME HEALTH CARE WIRELESS COMMUNICATION GATEWAY

GET DATA FROM YOUR SPECIFIC WIRELESS SENSOR

- Any Bluetooth® LE compliant sensor
- With standard or custom GATT profile

SEND DATA TO YOUR CLOUD APPLICATION

- 4G NB-IoT/Cat-M with 2G fallback, WiFi™
- Custom (HTTPS, MQTTS) or standard (AWS®, Azure®) IoT platforms

WITHOUT PATIENT OR CAREGIVER INTERVENTION

- No Smartphone involved
- Simple plug-and-use device

IN A SAFE AND RELIABLE WAY

- High level of security (TLS, Secure Element)
- Battery backup and network fallback

WITH A SOLUTION CUSTOMIZED TO YOUR OWN NEEDS

- Customized for your sensors and your Cloud platform
- Easy provisioning and management



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TECHNICAL SPECIFICATIONS

SENSORS WIRELESS INTERFACE

- Bluetooth® LE 5, up to 2 Mbps data rate, up to 20dBm transmit power.
- Standard or custom GATT profile, customized by Altaneos.
- Single or multiple sensors can be connected simultaneously.
- Data capture modes: triggered by sensor, scheduled by timer or triggered by Cloud app.
- Optional WiFi™ communication with sensors if not used for Cloud connection.

CLOUD WIRELESS INTERFACE

- Triple mode GSM network interface:
 - › 4G LTE-CatNB2 (NB-IoT – 127/158.5 kbps).
 - › 4G LTE-CatM1 (588/1119 kbps).
 - › 2G EDGE (292/236.8 kbps) or GPRS (107/85.6kbps).
 - › Micro-SIM Slot (hidden)
 - › Altaneos can provide Micro-SIM Card with suitable Data Plan.
- Alternative WiFi™ interface:
 - › WiFi™ 802.11b/g/n 2.4GHz band.
 - › Security: WPA, WPA2, WPA3, either PSK or Enterprise (EAP-TTLS or EAP-TLS).

POWER

- External Wall-Plug AC/DC Adapter with USB-C connector (5V, 1.5A).
- Internal Li-Po battery 3.7V 1000mAh.
- Internal Lithium Cell CR1225.

DATA AND SECURITY

- Data buffered into internal 1Mbits Flash storage for several days if Cloud connection or Mains power are unavailable.
- Secure Element for sensitive data storage (keys, certificates, ...).
- Customizable Cloud security using TLS and up to mutual certificate-based authentication.
- Internal real-time clock with battery backup for accurate timestamping and server certificate validation.
- Internal Li-Po allowing power-fail alarms, device location (GNSS) and days of data storage if Mains power no more available.

PROVISIONING AND MANAGEMENT

- Remote provisioning and management provided by the Cloud app.
- Bluetooth® LE and NFC interfaces for local management of the device using a Smartphone or Tablet.
- Integrated GNSS Receiver (GPS, BeiDou, Galileo, GLONASS and QZSS).
- Environmental sensors: Temperature and Relative Humidity.
- Secure Firmware update over-the-air using WiFi™ or 4G.
- Simple button: wake-up and pairing.
- RGB LED: status information.

DIMENSIONS

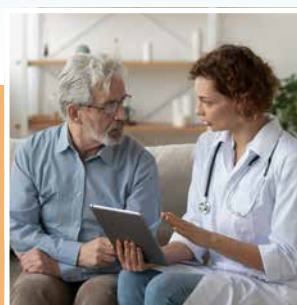
- 96 x 95 x 42 mm.
- Horizontal or vertical positioning.

APPROVALS

- CE, UKCA, FCC.



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