

Brunata Net GateGPRS

- Do you want your meters read without disturbing the residents?
- Do you want to avoid spending time and resources on coordinating and planning meter readings?
- Do you want to monitor the building's meter data and consumption online?
- Do you want to give the residents the opportunity to monitor their consumption online?



Get the consumption registered with Brunata Net GateGPRS without visiting every flat in the building. In addition, residents and administrators will be able to monitor the consumption online.

Brunata Net GateGPRS is a data collection unit, which continuously transmits meter registrations to Brunata via the GSM network 24/7 all year round.

Brunata Net

GateGPRS is part of Brunata's radio network, Brunata Net, which transmits the meter registrations to Brunata. Brunata Net can be installed in all buildings. It contains GateLAN or GateGPRS and, depending on the building, one or more GateReceivers.

Standalone or add more GateReceivers

In small buildings, GateGPRS can be standalone and also function as GateReceiver. In larger buildings, further GateReceivers can be added to GateGPRS by cable. This allows data collection from even more meters. The cable provides power to the GateReceiver and transmits data from the GateReceiver to GateGPRS. Up to 20 GateReceivers can be connected.

A GateReceiver can receive data from up to 8,000 different meters, including heat cost allocators, water meters, energy meters, etc. The only requirement is that the meters must transmit wM-Bus telegrams in 868 MHz or Brunata's own telegram standard in 434 MHz.

Flexible installation

GateGPRS can be installed in any building type. It has a SIM card and transmits data to Brunata's servers via GSM, so it can be installed in any location with GSM network coverage which supports GPRS. GateGPRS must be connected to 230V and can receive and transmit data every 15th minute 24/7.

Monitor the meters online

When Brunata Net has been installed in a building, the building's meters can be monitored online in WebMon and WebMon Visual, which form part of Brunata Online. WebMon and WebMon Visual allow both administrator and residents to monitor for instance the consumption of water and heating as well as the interior atmospheric humidity online. The administrator can also set up various alerts to be notified of indications of leaking pipes, humidity problems, etc.

Facts

- Has three antennas: one for receiving wM-Bus 868 MHz, one for receiving Brunata's IMR 434 MHz and one for transmitting data via the GSM network
- Can collect data from up to 20 GateReceivers, which are connected by cable
- Transmits data to Brunata's servers, as standard, every 12 hours
- Is easily installed in corridor, loft, basement, tool-shed or the like
- Power supply is available in two forms: plug for socket or cable for external power supply

Technical information

Communication

Transmission:	GPRS via the GSM network
Frequency band:	QuadBand: GSM 850/900/1800/1900 MHz
Standard upload:	Every 12 hours – can be changed by agreement
SIM card:	SIM card is required and can be supplied by Brunata

Communication – reception

Protocol:	Wireless M-Bus, frequency 868 MHz (protocol type C1 and T1), and Brunata IMR (version 1 and version 2) frequency 433.92 MHz
Reception:	Time Division Multiplexing (i.e. both protocols can be received simultaneously)
Range:	Depends on local conditions

Display

Diodes indicate reading result

Power supply

Two versions:	Built in cable with plug for socket or external power supply (required for connection of additional GateReceivers)
Supply voltage:	12-30 VDC
Power consumption:	<1 W

Design

Weight:	384 g
Dimensions of box without antennas:	162 mm x 81 mm x 57 mm
Antenna length:	160 mm

Environmental requirements

Storage temperature:	-20 °C to 55 °C
Operating temperature:	-0 °C to 45 °C
Atmospheric humidity:	Max. 90 per cent RH

Other

IP class:	40
CE conformity:	2004/108/EC 1999/5/EC 2006/95/EC