

Wireless Value 4G Base Station

The **Wireless Value BU-4G Base Station** collects data from all linked **Wireless Value sensors**. The received data is forwarded to an endpoint which can be either a local web server, a web server in a data centre or the **Wireless Value Online Portal**. The Base Station acts as a **Gateway** for up to one hundred sensors. Data integrity is ensured by an internal buffer in case of connection problems.

Features

- Compatible with all Wireless Value sensors
- Buffer memory prevents data loss and provides a high level of data security
- Plug & play-design
- Range can be extended with Wireless Value Range Extenders

Specifications

- Possibility of buffering 200,000 measurements
- Flexible implementation through mobile connection
- Programmable connection interval
- Wall-mountable
- Unique network ID to avoid interference with other wireless systems

Design	Wireless Value Infrastructure
Type	Base Station / Gateway
Operating temperature	0 °C to +60 °C
Power	8 V – 30 V DC
Radiostandard	EN 300 220
Frequency	868 - 870 MHz
Legislation	RED, CE
Wireless range	1.000 meter (free line of sight)
Housing class	IP40
Dimensions	130(l) x 180 (b) x 60 (h) mm
Interface	4G
Maximum network size	100 sensors
Antenna	External
Configuration	SensorGraph or Wireless Value Online Portal
Buffer	200.000 measurements
Endpoint	configurable
4G connection	programmable APN, user and password
Typical data usage	~2 MB / sensor / month

Connectivity options include

- Wireless Value Online Portal
- Wireless Value Online Portal (onsite)
- SensorGraph