

Wireless Value GPRS Base Station

The Wireless Value BU-GPRS gathers data from all the paired Wireless Value sensors. The received data is forwarded to an endpoint that can either be a local web server, a webserver located in a datacenter or the Wireless Value cloud software. The Base Station acts as a gateway for up to a hundred sensors. Data integrity is secured by the on board buffer in case of connectivity issues.

Overview

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

Specifications

- Ability to buffer 200.000 measurements
- Flexible implementation due to mobile connection
- Programmable connection interval
- Wall mountable
- Unique network ID to avoid interference with other wireless systems

Connectivity options include:

- WebSensys
- WebSensys (On premises)
- SensorGraph

Design	Wireless Value Network component
Type	Base Station/Gateway
Specifications	
Operating temperature	0°C to +60°C
Power	8 V – 30 V DC
Order code Thailand	WSA52-BU-GPRS
Frequency plan	AS923-925 (“AS2”)
Frequency	924 MHz
Regulatory	RED, CE
Wireless range	1.000 meter (line of sign, can be extended)
Housing	IP40. Higher on request
Dimensions	130(w) x 180 (h) x 60 (d) mm
Interface	GPRS
Network size	100 sensors
Antenna	External
Configuration	WebSensys and/or SensorGraph
Buffer	200.000 measurements
Endpoint	Configurable
GPRS connection	Programmable APN, user and password
Typical data usage	~2 MB/sensor/month
Cellular modem	Telit GE-910 Quad
Cellular certificate number	66179RNB.001
Cellular operating frequency bands	E-GSM 900, DCS 1800