SENSIT Gateway

data collector with 3g, gprs & ethernet communication

Key features:

- ✓ interface between wireless SENSIT network and SENSIT Interface Software
- ✓ bidirectional communication with all components of the wireless mesh network
- ✓ 3G, Ethernet and GPRS communication
- ✓ event buffering
- ✓ communication backup function

The SENSIT Gateway is the interface between the SENSIT sensors, the Relay Node and the SENSIT Software. The Gateway collects real-time status data from the individual sensors via the Relay Node through the wireless mesh network. This data is forwarded to the SENSIT Interface Software (SIS).

Automatic data collection

The SENSIT Gateway offers 3G, GPRS and Ethernet communication. It automatically inserts all the collected data via the hosted server into the SENSIT Interface Software.

Bidirectional communication

The Gateway allows operation, maintenance and configuration of the SENSIT equipment in the wireless mesh network using bidirectional communication with all systems components.

Event buffering and security

To prevent data loss, event buffering is provided by the Gateway. It ensures data reliability in all circumstances. All communication between the SENSIT Gateway and the hosted server is encrypted (SSL). Backup functionality for the communication to the SIS is ensured by switching between the Ethernet and GSM connection.

Back-up Battery

Optionally, a SENSIT Back-up Battery is available to ensure the wireless SENSIT network remains operational even in case of power failure. This battery pack can be connected directly to the Gateway. This enables the Gateway to connect to a lamppost. An external 12v solar panel set can be connected to the Gateway to make it completely wireless.

Technical information	SENSIT Gateway
Part number	9221549 SENSIT Gateway EU 9221786 SENSIT Gateway AU 9221778 SENSIT Gateway US
Dimensions	250 x 90 x 250 mm (9.9 x 3.5 x 9.9 in) excluding pole mounting set
Color	Aluminum & dark blue side covers RAL5011
Weight	1,85 kg (65 oz)
Protection class	IP65
Material	Aluminum / PC / ABS
Operating temperature	-40°C ... +65°C (-40°F ...+149°F)
Storage temperature	-40°C ... +65°C (-40°F ...+149°F)
Relative humidity	100% relative humidity, non condensing
Operating frequency	868 MHz (EU) 902 – 928 MHz (US) 915 – 928 MHz (AU)
Power supply	100-240Vac, 50-60 Hz, 15VAC
Communication distances	The nearest Relay Node should be positioned within 25 meters (82 feet) of the Gateway. It is possible to install multiple Gateways in one parking facility.
Communication interfaces	3G/GPRS (SIM card not provided) / Ethernet
Standards	CE, FCC, IC, ACMA
Document version number	2.1