

Product description

The 868MHz wireless module provides a reliable high-power wireless backbone throughout large buildings and supports hopping to extend the network range further. Use of this frequency is permitted in the European markets and some other countries.

Features

- Pluggable, snap-fit modular system
- High performance wireless narrowband frequency
- Can be used with 3rd party BMS using WEMS BACnet Gateway
- Licence-free use (ISM bands)
- DIN rail mount
- Status LEDs

Specification

Temperature & humidity

Operating Temperature Range -10 to +50 °C
Operating Humidity < 75% RH (Non condensating)
Storage Temperature -20 to +85 °C
Storage Humidity < 90% RH (Non condensating)
Cooling Convection

Power

Supply Voltage Modular BUS powered
Power 2.5W max

RF Specification

RF Frequency 868-870MHz
RF Output Power 10dBm max (10mW)
RF Frequency (High Power) 869.00-869.650
RF Sensitivity -108dBm
RF Bandwidth 25kHz (Narrow band)
RF Channels 80
RF Output Connector Female 50 OHM SMA (Sub-miniature version A)
Antenna (recommended) 50 OHM quarter wave monopole with ground plane

Misc

Enclosure UL94-VO flame retardant PC, IP20 rated
Mounting 35mm DIN rail (EN 50022, BS 5584, DIN 46277-3)
MTBF 2,398,044 hours

Compliance

EMC
EN 301 489 Electromagnet compatibility
EN 61000 Electromagnet compatibility

Safety

EN 60950 Information technology equipment
EN 60730 Automatic electrical controls
EN 50366 Domestic equipment

Wireless

EU R&TTE Directive for 25kHz
EN 300 220 EMC standard for short range devices
EN 301 489 EMC standard for radio equipment and services



Certifications

CE, RoHS, UL

Dimensions & weight

Weight 63g with connector
Height 98mm
Width 25mm
Depth 58mm

