

SPECIFICATION SHEET: 4G GATEWAY



Physical Specifications

Dimensions without mounting plate	262 x 91 x 257 mm
Total Mass	2.75 kg (approx.)
Housing Material	Die cast aluminium
International Protection Marking	IP67
Operating Temperature	-40°C to +70°C
Storage Temperature	-40°C to +85°C
Relative Humidity	20% to 90%, non-condensing
Mounting Options	Wall and pole mounting available with included mounting plate

Cellular Radio Specifications

Frequency Bands for UMTS/HSPA+	850 / 900 / 2100 MHz
Frequency Bands for LTE	700 / 850 / 900 / 1800 / 2100 MHz
Supported SIM Cards	3 V and 1.8 V
SIM Form Factor	Micro SIM (3FF)

Radio Specifications

Communication Type	Digital Spread Spectrum Radio using LoRa modulation type
Frequency Band	ISM band depends on region 868 MHz (868 configuration) 902-915 MHz (902 configuration) 915-928 MHz (915 configuration) 920 MHz (920 configuration) 923 MHz (923 configuration)
Maximum Transmit Power	14 dBm (868 configuration) 20 dBm (902 configuration) 20 dBm (915 configuration) 14 dBm (920 configuration) 14 dBm (923 configuration)
Range	Up to 15 km depending on the environment
Maximum Network Size	Typically up to 1000 nodes

Power Input

Power Requirements	Power over Ethernet IEEE 802.3at
Input Voltage	48 V
Power Required	30 W
Average Power	5 W

Mains Power Adaptor

Dimensions	170 x 140 x 60 mm
Operating Temperature Range	-40°C to +65°C
Input Voltage Range	100-240 VAC
Input Frequency	50-60 Hz
Input Current	1A maximum at 100-240 VAC
Environmental Protection Marking	IP67, NEMA 4X