URSALINK

LoRaWAN Gateway

Programmable Gateway for the Internet of Things

Ursalink – We Connect Things to the Cloud

Ursalink are passionate about the connectivity of “things” to the cloud. We see the value of the top trending technologies that transform the world we live in and are committed to our partners and customers who share the same passion. We believe that the complexity of data collection, storage and retrieval can be simplified into Cloud-intelligence. Our dedication to the development and distribution of these appliances and services, demonstrates our commitment to the digital transformation and continues to deliver reliable connectivity for the IoT world.

		Channels	WiFi	GPS	PoE	Ethernet
UG87-G-P	Without Cellular	8 Channels	No	Yes	Yes	1
UG87-W-G-P	Without Cellular	8 Channels	Yes	Yes	Yes	1
UG87-L00X0G-P	With 4G	8 Channels	No	Yes	Yes	1
UG87-L00X0-W-G-P	With 4G	8 Channels	Yes	Yes	Yes	1
UG87-G-P-CH16	Without Cellular	16 Channels	No	Yes	Yes	1
UG87-W-G-P-CH16	Without Cellular	16 Channels	Yes	Yes	Yes	1
UG87-L00X0G-P-CH16	With 4G	16 Channels	No	Yes	Yes	1
UG87-L00X0-W-G-P-CH16	With 4G	16 Channels	Yes	Yes	Yes	1

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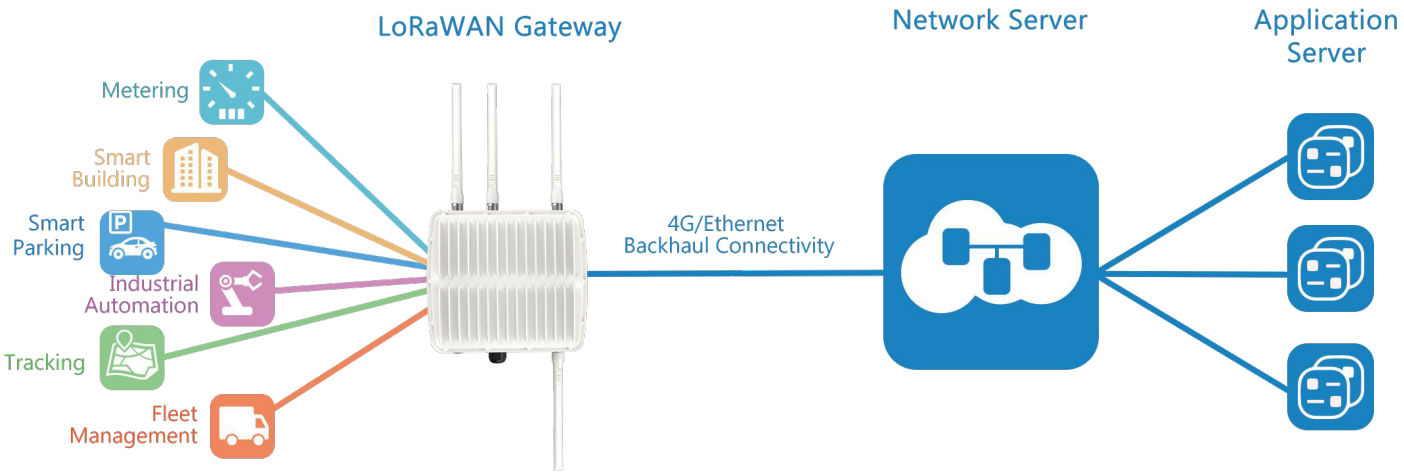
Features

- 8 or 16 Simultaneous channels optional
- Backhaul Connectivity (Eth/3G/4G/WIFI)
- Long Range over 10 km Radius
- Ursalink Cloud compliant
- Compliance to LoRaWAN Class A and Class C
- IP67 Waterproof Casing
- Embedded Network Server and MQTT transmission
- Supports GPS for precise time synchronization

Application Example



Supports a maximum of 2000 end devices

EU433/EU868/AU915/CN470/AS923/KR920

Integrated with Multiple Network Servers

Waterproof Casing (Outdoor Version)

8 to 16 Simultaneous Channels

Compliance to LoRaWAN Class A & Class C

Backhaul Connectivity (Eth/3G/4G)

Long Range over 10km Radius

Built-in DI/DO Serial Port and GPS

Free Embedded Network Server

LoRaWAN	
Connector	1 × 50 Ω N-Type (Center PIN: Female) for 8-channel model 2 × 50 Ω N-Type (Center PIN: Female) for 16-channel model
Channel	8 (Up to 16)
Frequency Band	EU433, CN470-510,EU863-870,IN865,US902-928,AU915-928 and KR920-923 Band
Sensitivity	-140dBm Sensitivity @292bps
Output Power	27dBm Max
Protocol	V1.0 Class A/Class C and V1.0.2 Class A/Class C
Ethernet Interface	
Port	1 × RJ45 (PoE PD)
Physical Layer	10/100/1000 Base-T (IEEE 802.3)
Data Rate	10/100/1000 Mbps (Auto-Sensing)
Interface	Auto MDI/MDIX
Mode	Full or Half Duplex (Auto-Sensing)
Cellular Interface (Optional)	
Connectors	1 × 50 Ω N-Type (Center PIN: Female)
SIM Slots	2
Wi-Fi (Optional)	
Connectors	1 × 50 Ω N-Type (Center PIN: Female)
Standards	IEEE 802.11 b/g/n/ac
Tx Power	802.11b: 16 dBm +/-1.5 dBm (11 Mbps) 802.11g: 15 dBm +/-1.5 dBm (54 Mbps) 802.11n@2.4 GHz: 14 dBm +/-1.5 dBm (MCS7) 802.11n@5 GHz: 11 dBm +/-2 dBm (MCS7) 802.11ac@5 GHz: 10 dBm +/-2 dBm (MCS9)

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