

# ELITE IoT Gateway

**Mottech IoT Gateway is a robust 8-channel outdoor LoRaWAN® gateway installed in an IP67 waterproof housing.**

The Gateway is a communication node that transfers the data from the sensors deployed in the field by the LoRaWAN® communication to the ICC PRO platform using Cellular, Wi-Fi or the Internet. Mottech IoT Gateway supports connection with hundreds of nodes, for a distance of up to 12 km (7.4 miles) in line of sight



## Features

**Compatible with ICC PRO server**



**Wall or pole mounting**




**IP67 waterproof enclosure and industrial design for harsh environment applications**



**Multi backhaul backups with Ethernet, cellular (4G/3G) and Wi-Fi**



**Equip with SX1302 chip, handing a higher amount of traffic with lower consumption**



**Quad-core industrial processor with big memory**



## Specifications

<b>LoRaWAN</b>	
Antenna	2 × Internal Antennas + 2 × 50 Ω N-Female External Connectors
Channel	8 (Half/Full-duplex)
Frequency Band	CN470/IN865/EU868/RU864/US915/AU915/KR920/AS923-1&2&3&4
Sensitivity	-140dBm Sensitivity @292bps
Output Power	27dBm Max
Protocol	V1.0 Class A/Class B/Class C and V1.0.2 Class A/Class B/Class C
<b>Others</b>	
Reset Button	1 × RST
Console Port	1 × Type-C
LED Indicators	1 × SYS, 1 × LoRa, 1 × LTE
Built-in	Watchdog, RTC, Timer
<b>Software</b>	
Network Protocols	PPPoE, SNMP v1/v2c/v3, TCP, UDP, DHCP, DDNS, HTTP, HTTPS, DNS, ARP, Sntp, Telnet, SSH, MQTT, etc.
VPN Tunnel	OpenVPN/IPsec/PPTP/L2TP/GRE/DMVPN
Firewall	ACL/DMZ/Port Mapping/MAC Binding/URL Filter
Reliability	WAN Failover
App	Python SDK, Node-RED
<b>Power Supply and Consumption</b>	
Power Input	1 × 802.3 af PoE input 12 VDC with M12 Connector
Power Consumption	Typical 3.6 W, Max 4.8 W
<b>Physical Characteristics</b>	
Ingress Protection	IP67
Dimensions	240 x 164 x 90.9 mm (9.45 x 6.46 x 3.58 in)
Installation	Wall or Pole Mounting
<b>Environmental</b>	
Operating Temperature	-40°C to +70°C (-40° to +158°) Reduced Cellular Performance above 60°C
Storage Temperature	-40°C to +85°C (-40° to +185°)
Ethernet Isolation	1.5 kV RMS
Relative Humidity	0% to 95% (non-condensing) at 25°C/77°F
<b>Approvals</b>	
Regulatory	CE, FCC, RCM,TELEC, ANATEL
Environmental	RoHS
<b>Part Numbers</b>	GW.OD.868 / GW.OD.915 / GW.OD.470