

LoRaWAN-enabled Gateway with 802.11a/b/g/n Wi-Fi

TECHNICAL SPECIFICATIONS



Multiple Interface Options for Ultimate Design Choice

Wide variety of connectivity interfaces:
LoRaWAN, Dual Band Wi-Fi (2.4 and 5 GHz) and Ethernet



Comprehensive Security and Reliability

Robust security at each interface to safeguard your network at every level



Broad Certification and Approvals

Ready for deployment in multiple regulatory domains - FCC, IC, CE, ASNZ, NCC and IMDA

	WiFi	Qualcomm Atheros QCA6004
Wireless Characteristics	WiFi Spatial Streams	2x2 MIMO
	Wi-Fi Frequencies	2.4 and 5 GHz Operation
	LoRaWAN Regions	863–870 MHz (EU), 902–928 MHz (US), AU915–928 MHz (AU915 + AS923)
Chipset	LoRa®	Semtech SX1301/1257
	Bluetooth®	Cambridge Silicon Radio CSR8811 A08
Interfaces	Wired	Ethernet - RJ45 Connector
	Wireless	LoRaWAN, Wi-Fi 2.4/5 GHz
Power	Supply Voltage	12V/1A
	Power Adapter	External DC Power Supply with regional plug adapter (NOT included with IP67 enclosure SKU)
Security	Wi-Fi	Standards - WEP, WPA, WPA2. Encryption - WEP, TKIP, AES

Environmental	Operating Temp.	-30° to +70°C
		EAP Types - EAP-FAST, EAP-TLS, EAP-TTLS, PEAP-GTC, PEAP-MSCHAP, PEAP-SCHAPv2, PEAP-TLS, LEAP
Software	Operating System	Embedded Linux, 4.x Kernel
	LoRa	<p>Packet Network Forwarder with default support for the following:</p> <ul style="list-style-type: none"> • The Things Network with Semtech Basic Station or UDP forwarder • Stream communications with UDP forwarder • ChirpStack with UDP forwarder or Semtech Basic Station • Senet through legacy Semtech UDP or proprietary Senet forwarder
	Configuration	Web-based interface via Ethernet/Wi-Fi
Physical	Dimensions	133 x 275 x 30 mm
Regulatory	Approvals	FCC, IC, CE, ASNZS, NCC, IMDA
Enclosure	Standard	Moulded plastic housing
	Option - IP67 Enclosure	Optional IP67-rated external enclosure housing for main gateway PCB
Warranty		1 Year Warranty
Accessories	Included	1x 868 MHz, 915 MHz, 923 MHz antenna, 2x 2.4 /5 GHz antennas, External DC Adapter, Ethernet cable