

The Things Outdoor Gateway Datasheet

Features

- Compliance with LoRaWAN 1.0.3
- Eight-channel gateway
- 3G/4G backhaul supported
- Versions available to support different LoRaWAN bands and LTE bands
- Various antennae available for 15km+ range
- One RJ45 Ethernet port (10/100Mbps) with 802.3af/ at PoE
- Downlink LBT
- Supports Semtech Packet Forwarder, or Basics Station (via firmware upgrade)
- Cost effective for providing full redundancy coverage
- IP67 waterproof



The Things Outdoor Gateway is manufactured by Browan Communications Inc, and is also known as the Browan Outdoor Micro Gateway.

TTOG is designed for wide area smart city applications. Applications include, but are not limited to, automatic meter reading, monitoring fault indicators, monitoring street lights and more. With its high RF performance, robust build quality and low cost it provides excellent value for your LoRaWAN network.

The gateway supports any network server, using a standard packet forwarder, or Basics Station.

See the following tables for specifications and details of the different versions.

Buy now at <https://connectedthings.store/TTOG>

V1.0, produced on 2020-11-07

Sensational Systems Limited, 1 Summerhall, Edinburgh, EH9 1PL, United Kingdom

info@sensational.systems

+44 131 516 2141

connectedthings.store

Available models

Name	SKU	Country/Zone	Channels	LoRaWAN Band	3G/4G Module
TTOG-868	868M-08-M-EU	Europe	8	EU868 (862 - 870MHz)	EC25-E
TTOG-915	900M-08-M-A	North America	8	US915 (902 - 928MHz)	EC25-A
TTOG-AU	900M-08-M-AU	Australia	8	AU915 / AS923	EC25-AU

3G/4G Modem Band Support

3G/4G Module:	EC25-E	EC25-A	EC25-AU
Countries	Europe	North America	Australia/ Taiwan
LTE FDD	B1/B3/B5/B7/ B20	B2/B4/B12	B1/B2/B3/B4 B5/B7/B28
LTE TDD	B38/B40/B41	-	B40
WCDMA	B1/B5	B2/B4/B5	B1/B2/B5

Specifications

Model Name	WAPS-232N
RF Transceiver	SX1301 with SX1257
Transmit RF Power	0.5W (up to 27 dBm)
Receive Sensitivity	Down to -142 dBm
Operating Temperature	-20oC -> 60°C
Storage Temperature	-20oC > 60°C
Power Supply	802.3af/at PoE (55VDC/0.6A) via included injector
Antenna Connection	N-Type
Ingress Protection	IP67
Interfaces	One LAN port One LoRa antenna connector One GPS antenna connector One 3G/4G antenna
Dimensions	L:230 x W:200 x H:68 mm
Weight	2.05 kg

More details and ordering information at <https://connectedthings.store/TTOG>

V1.0, produced on 2020-11-07

Sensational Systems Limited, 1 Summerhall, Edinburgh, EH9 1PL, United Kingdom

info@sensational.systems

+44 131 516 2141

connectedthings.store