

CONNECTA IoT MODULE WITH GNSS

Satellite connectivity module with standalone GNSS solution

Ultra low power design for long battery life, superior receiver sensitivity and cost effective solution

Features

- **STM32WB MCU wireless microcontroller**
 - Cortex-M4, RAM:256kB, Flash:1MB
 - Bluetooth® low energy transceiver
- **SEMTECH LR1110 RF IC**
 - LoRa® transceiver
 - Wi-Fi passive scanner
 - Multi-constellation GNSS scanner (GPS & BeiDou)
- **Airoha MT3333 GNSS chipset**
 - High-performance, multi-constellation GNSS solution
- **Low power consumption**
- **Package: LGA**
- **TCXO for maximum frequency accuracy**
- **RoHS: This module is RoHS compliant**

Benefits

- Seamless integration with Connecta IoT Network
- Enables Direct-to-Satellite and LoRaWAN connectivity in rural areas
- Allows systems integrators to design IoT products for turnkey solutions
- Simplifies RF design with minimum additional components required
- Single solution for geolocation use cases
- Standalone multi constellation GNSS solution for high performance & accuracy
- The module's RF certification can be reused for end product certification
- Quick time to market solution



Specifications

Product Name	Connecta IoT Module with GNSS
Technology	LoRa/LR-FHSS, GNSS
Peripheral I/O	UART, GPIOs
Dimensions	17 x 17.5 x 2.15 mm (max)
Operating Temperature	-30°C to 85°C
Certification	FCC, IC, CE, TELEC

