

DUAL BAND ANTENNA SOLUTION IN CONNECTA IOT NETWORK



Advanced Antenna Technology for Satellite Communication

High gain, circular polarized antenna solution for satellite IoT

Benefits

- The 3.30 dBi gain ensures optimal performance even in low signal conditions, facilitating precise and rapid data transmission.
- The availability of multiple frequency options (EU868 or US915) makes the system suitable for global IoT applications, delivering optimal performance across various regions.
- The wide operating temperature range of -40°C to +85°C guarantees consistent and reliable functionality in harsh environmental conditions.
- With the flexibility to integrate via UFL coaxial cable or SMA connectors, the system allows for efficient and adaptable installation.
- Weighing less than 25 g, the antenna is highly portable and space-efficient, ensuring a compact form factor for devices.
- Efficient reception for accurate GNSS tracking in harsh conditions - supports critical applications where accuracy and durability are critical.

Technical Specifications

Feature	Value
Frequency Range	EU868 or US915
Gain (Peak)	3.30 dBi
Connection Type	UFL coaxial cable or SMA connector
Weight	<25 g
Operating Temperature Range	-40°C to +85°C
GPS Frequency Range	L1
Dimensions	80x80x13.65 mm



Features

- **Long-Range Data Transmission**
Utilize high-gain antennas with an extensive frequency range to enable efficient and low-loss data transmission over long distances, ensuring reliable communication even across vast expanses.
- **Environmental Durability**
The antennas are designed to withstand harsh environmental conditions, including precipitation, temperature fluctuations, and other atmospheric challenges. This durability ensures consistent performance and reliable communication in the most demanding environments.
- **Antenna with GNSS for High Precision Tracking**
Paired with GNSS technology, the system accurately receive signals from GPS, ensuring precise location data in tough conditions.



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