



LTS-06

LTS Telemetry Product

The LTS-06 is a highly versatile radio transceiver packaged in a small form factor, providing a high degree of ergonomic functionality. The LTS-06 has multiple integrated radios allowing communication with a wide array of wireless instrumentation and telemetry systems.

✓ CORE CAPABILITIES

- **Bluetooth® Low Energy Broadcast:** Enables multiple wireless sensor inputs to be transmitted through the LTS system using BLE broadcast mode.
- **Mesh Networking Capability:** Integrated mesh functionality minimizes dead zones and improves coverage in the desired field area.
- **Flexible Power Options:** Operates on two AA alkaline batteries for portable use and can also be powered via USB for continuous operation.
- **Secure Wireless Encryption:** Instrument data is transmitted securely using integrated encryption, with optional FIPS-140 certified algorithms for enhanced protection.



GENERAL SPECIFICATIONS

POWER REQUIREMENTS	Internal Battery	2 x AA cell
	Battery Voltage	1.9 – 3.6 VDC
	External Voltage	4.75 – 5.25 VDC
	Current	1.0 A peak with high powered radio 50mA with Mesh and BLE
PHYSICAL PROPERTIES	Dimensions (HxWxL)	3.2 x 5.4 x 7.8 cm
	Weight	135 grams (without batteries)
	USB Connector	Mini-USB
	Serial Connector	DE-9 Male
	Operating Temperature	-40 to 85°C
LOCAL MESH RADIO PERFORMANCE	Frequency	ISM 2.4-2.5 GHz
	Transmit Power output	1.75 mW
	Range Indoor/Urban	Up to 200' (60 m)
	Range Outdoor/Line of Sight	Up to 100' (30 m)
	RF Data Rate	250,000 bps
	Receiver Sensitivity	-102.1 dBm
	FCC Part 15.247	QOQMGM13P
	Industry Canada (IC)	5123A-MGM13P

CONTACT

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