

Link2 Sensor - LTS-06

Advanced Instrument Monitoring

Overview

The Link2 Sensor LTS-06 is a highly versatile radio transceiver in a small form factor providing great portability and compact installation. The LTS-06 has multiple integrated radios allowing communication with a wide array of wireless instrumentation and telemetry systems.

The LTS-06 also includes a mini-USB port for PC based configuration and/or power along with a standard DE-9 port for wired connections using RS232 or RS485 to nearby instrumentation.



LINK2 SENSOR highlights:

Smart Instrument Device Server

The LTS-06 provides a smart instrument interface that has the ability to communicate with over 70 instruments from leading manufacturers. Connectivity can be achieved via wired connections via the DE-9 port or wirelessly from devices such as the Thermo EPD.

The LTS-06 reads and interprets important measurements, alarms, and the device status. This data is encrypted and transmitted in a low bandwidth format to compatible remote monitoring systems such as Thermo ViewPoint.

Internal CNET Mesh Radio

The LTS-06 has an integrated 2.4GHz Mesh radio to transmit instrument data to a nearby Mesh base radio. The LTS-06 can also be configured to rebroadcast sensor data from other nearby Mesh equipped radios to increase overall range of the Mesh wireless network.

Compatibility

The LTS-06 is compatible with other existing devices containing the CNET Mesh Radio (may require firmware update). For BT connectivity, the LTS-06 can support BT Smart (BT 4.0+ LE) and legacy BT SPP devices.

MESH WIRELESS

The internal 2.4 GHz low power radio provides shares data with other nearby mesh radios (up to 200 feet.)

TRUEDOSE SUPPORT

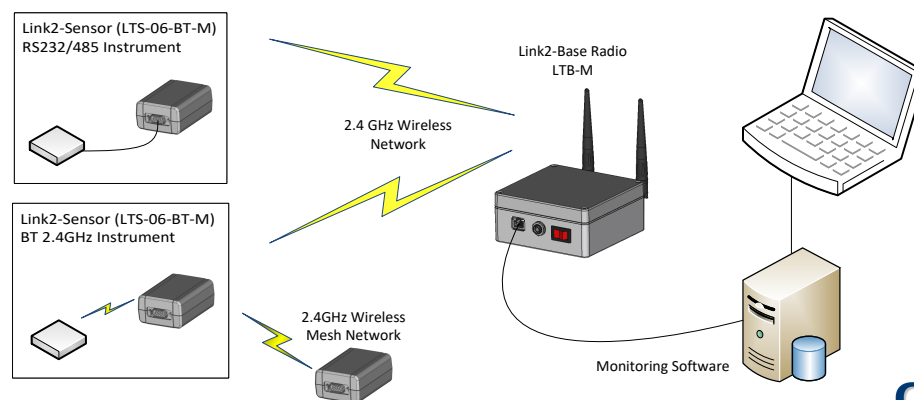
The Link2 Sensor has an integrated radio to communicate with the Thermo TrueDose dosimeter.

RADIO OPTIONS

The Link2 Sensor can be configured with an optional high power radio allowing long range wireless deployments with 900MHz, 2.4GHz, Wi-Fi and cellular connectivity.

WIRELESS ENCRYPTION

Instrument data is efficiently and securely transmitted wirelessly using integrated data encryption. This protects data from outsiders while maintaining the benefits of wireless technology.



DUAL POWER DESIGN

The Link2 Sensor is powered by two AA batteries or powered via the external mini-USB port for extra versatility.

SETUP AND CONFIGURATION

The Link2-Sensor uses CNET Config software for easy setup and configuration with virtually any serial based instrument.

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Specifications

Specifications		
Mesh Radio Details	Range (indoor/urban):	Up to 100 feet (30 m)
	Range (outdoor/line of sight):	Up to 200 feet (60 m)
	Transmit Power Output	1.75 mW
	Frequency Range	2.400 GHz– 2.485GHz
	Receiver Sensitivity	-95 dBm
	FCC Part 15.247	TYOJN5168M0
	Industry Canada (IC)	7438A-CYO5168M0
BT Radio Details	Range (line of sight):	Up to 100 feet (30 m)
	Transmit Power Output	10-16mW
	Frequency Range	2.402 GHz– 2.480GHz
	Receiver Sensitivity	-88 to -96 dBm
	FCC Part 15.247	QQQBT121
Industry Canada (IC)	5123A-BGTBT121	
Power Requirements	Internal Battery	2 x AA Cell
	USB Power	5V DC @ <500 mA
General	Dimensions (H x W x L)	3.2 x 5.4 x 7.8 cm
	Weight	135 grams (4.8 oz.)
	Operating Temperature	-40°C to 85° C
External Connections	USB	Mini-B USB
	DE-9	9 pin serial for RS232 (4-wire) or RS485 (2 or 4 wire)

Ordering Information

Part #	Model	Description
CDM60909	LTS-M-BT	Link2-Sensor Mesh, BT



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