Features at a Glance

WIDE RANGE OF WEARABLES

The BT7x0 Series is meant for wearable contact tracing and comes in three convenient form factors: pendant, wristband, and clip mount

RELIABLE, LONG-RANGE SENSE & LOCATION

Integrated TruePoint Diversity Antenna System (TDAS) for improved location accuracy, embedded high-capacity CR2477 and long-range Bluetooth 5, the BT7x0 is ready to go anywhere you are.

INTEGRATED SENSORS FOR A BETTER CONTACT TRACING SOLUTION

Integrated accelerometer and barometer for better battery life and RTLS location accuracy.

QUUPPA TAG CERTIFIED

The BT720 is pending certification as a QUUPPA tag device, enabling accurate Bluetooth location services including those directly associated with fighting the COVID-19 pandemic.

Laird CONNECTIVITY

Sentrius™ BT7x0 Contact Tracer

Bluetooth 5 Long Range Tracer

- Four high-visibility LED indicators with 2 axis visibility
- Integrated vibration with variable patterns
- Integrated Beeper / Alarm
- Accelerometer and barometer sensor
- Integrated programmable push button
- Available in pendant, wristband, and clip mount

The Sentrius™BT7x0 Bluetooth Contact Tracer is a durable personnel-tracking solution including social distancing, contact tracing, proximity detection and RTLS tag functionality in partnership with Quuppa.

Proximity sensors and Real Time Location Services (RTLS) are emerging as some of the most effective solutions for social distancing, contact tracing, handwashing compliance, and measuring proximity between employees in every industry. Our BT7x0 series offer Bluetooth 5 long-range, TruePoint Diversity enabled antenna system (TDAS), and a high-capacity battery, making it an ideal fit for today's critical contact tracing applications.

Based on Laird Connectivity's 20 years of Bluetooth expertise, the BT7x0 series tracer integrates critical user notifications and best-in-class Bluetooth performance for the most accurate location performance. Several form factors are available and Laird Connectivity's team of Product Development Specialists are available to quickly provide custom options.

- Bluetooth 5 Long Range
- User Alerts
  - o Four high visibility LED indicators
  - o Animated visibility / flasher
  - o Integrated vibrator with variable patterns
    Select models only
  - o Integrated alarm / beeper
- Integrated push button
- Quuppa Tag Qualified (pending) for accurate RTLS (BT720)
- Mounting options
  - o Wristband
  - o Clip
  - o Pendant / tag / lanyard
  - o Hard hat adapter
- Replaceable large capacity CR2477 battery
- FCC, ISED, CE Certified

Bluetooth 5

NORDIC SEMICONDUCTOR

Quuppa

Environmental Monitoring

Contact Tracing and Quarantine Monitoring

Patient Monitoring / Hospital Healthcare

RTLS / Asset Tracking

Specifications

CATEGORY	FEATURE	SPECIFICATION
Wireless	Bluetooth® 5	Laird BL653 Module with Nordic nRF52833
	Processor	Cortex M4F – 512 KB Flash and 128 KB RAM
Sensors	Accelerometer	3-axis MEMS – Programable motion and contact detection
Antenna	Integrated	Onboard PCB TruePoint Diversity enabled antenna system (TDAS)
Power	Battery	CR2477 coin cell - replaceable
Software	Configuration	Mobile App - Android & iOS – Configuration
	OTA Update	Mobile App - Android & iOS – OTA firmware update
Storage	Data Logging	Log storage duration variable subject to configuration (Scan Interval, Tracking Duration, Contact Period)
Alarm Peripherals	LED	1x – Status LED (Bi-color) 4x – Alert/Alarm LEDs (Red)
	Speaker	4x – Audible alert styles
	Vibration	4x – Haptic alert styles (Wrist-worn variant only)
Button	User Input	Multi-use (operation dependent on duration of hold)
Mounting	Placement	Clip, Lanyard/Pendant, Wrist Strap (depending on variant)
Physical	Dimensions	Clip Version: 62 mm x 46 mm x 17 mm Wrist Version: 54 mm x 46 mm x 17 mm (without strap)
Environmental	Operating Temp.	-20° to +60°C (coin cell battery is limiting factor)
	Storage Temp	-40° to +85°C
Regulatory	Approvals	FCC, IC, CE and Bluetooth SIG
Warranty	Warranty Terms	1-Year warranty
Customization	Options **	Branding on front label, packaging or mobile app
		Pre-configuration options
		Custom Firmware

Ordering Information

PART	DESCRIPTION	PACKAGING
450-00122-K1	Kit, Sentrius BT710 Sensor, With Clip	Single (1)
450-00123-K1	Kit, Sentrius BT720 Sensor, With Clip, Quuppa	Single (1)
450-00134-K1	Kit, Sentrius BT710 Sensor, With Vibration, With Wrist Strap	Single (1)
450-00135-K1	Kit, Sentrius BT720 Sensor, Quuppa, With Vibration, With Wrist Strap	Single (1)
450-00134B-K1	Kit, Sentrius BT710 Sensor, With Vibration, With Wrist Strap	Bulk (100)
450-00135B-K1	Kit, Sentrius BT720 Sensor, Quuppa, With Vibration, With Wrist Strap	Bulk (100)
450-00122B	Assembly, Sentrius BT710 Sensor, With Clip, Bulk	Bulk (100)
450-00123B	Assembly, Sentrius BT720 Sensor, With Clip, Quuppa, Bulk	Bulk (100)
450-00059B	Assembly, Sentrius BT710 Sensor, Bulk	Bulk (100)
450-00124B	Assembly, Sentrius BT720 Sensor, Quuppa, Bulk	Bulk (100)