

# LT1 - Logging Transceiver



## Key Applications:





- Mesonet weather monitoring
- Water quality monitoring
- Water flow and flood monitoring
- Emergency management

## Compact, IoT connected, and Rugged Telemetry

The LT1 is an IoT-connected, compact logging transceiver which collects, stores, and transmits real-time data and alerts based on your custom environmental parameters. It features flexible communication options of cellular 4G or Iridium satellite to access data from anywhere in the world. Built for rugged climates, the LT1 enables a smart, secure solution designed to improve response time when dangerous environmental conditions emerge.



### BEST-IN-CLASS FEATURES

-  Bi-directional communication to remotely or automatically trigger actions within the system
-  Rugged design includes conformal coating to protect from moisture
-  Local storage ensures data integrity
-  Employs the MQTT protocol for lightweight, scalable, and secure communication

# Specifications

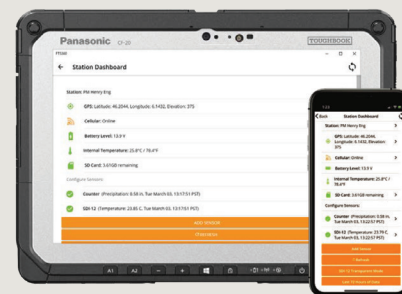
	LT1-CELL	LT1-IRID
Usage	Designed for city/state environmental monitoring sites requiring real-time, bi-directional communication	Compact monitoring station capable of bi-directional communications anywhere on the globe
Dimensions	135mm x 135mm x 40mm (5.3" x 5.3" x 1.6")	
Weight	400g (0.88lbs)	326g (0.72lbs)
Operating Temp range	-40degC to +65degC (-40degF to 149degF)	
Humidity	0-95% RH	
Supply voltage	9.6 to 20V	10.8 to 16V
Current Consumption @ 13.5Vdc	16mA (active) <sup>1</sup>	20mA (average) <sup>1</sup>
Local Control	Bluetooth Low Energy (BLE)	
Local I/O	SDI-12 Rain gauge counter NMEA	
Certifications	CE, FCC, IC	
Telemetry	4G LTE	Iridium Satellite
What's Included	4GB SD Card Cell/GPS antenna	4GB SD Card Iridium/GPS antenna



<sup>1</sup>Based on single parameter collection and 15 min transmissions



Powerful and easy-to-use, FTS360 App allows you to view, organize and control your stations and sensors from your mobile device.



## FEATURES AND BENEFITS:

- Connect supported MQTT-based stations to a powerful and smart Industrial Internet of Things (IoT) network
- Create alerts and actions within your network so it reacts automatically and intelligently
- Once a bi-directional station is installed, manage it from the comfort of your office, or on the road with your smartphone or tablet