



Datasheet

EDGE Connect

Part No:
EC50

Description:

Instant connectivity platform with cellular, Bluetooth and on-board sensors.

Ordering Information:

EC50B – EDGE Connect [LTE US with 3G fallback] with EDGE Insights cloud platform.

EC50L – EDGE Connect [LTE EMEA with 2G fallback] with EDGE Insights cloud platform.

EC50N – EDGE Connect [Global NB-IoT and CAT-M] with EDGE Insights cloud platform.

Features:

- Secure IoT device architecture, Data-as-a-Service, and connectivity all in a single pre-certified, high-performance package.
- Integrated onboard sensors such as temperature, humidity, accelerometer, gyroscope, magnetometer, light, and air pressure.
- Cellular support for LTE, 3G, 2G, Cat-M, NB-IoT to give a global coverage footprint.
- Optional GNSS expansion board for high-precision location services.

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Introduction

EDGE Connect connectivity accelerator platform with cellular, Bluetooth, and on-board sensor capabilities. Instant connectivity to enable real-time insights and intelligence to help your enterprise save costs, increase revenue, and enhance compliance.

TxWireless™ EDGE Connect enables real-time insights and intelligence to help your enterprise save costs, increase revenue, and enhance compliance. This next-generation connectivity device features cellular, Bluetooth, and on-board sensor capabilities with a cloud-based connectivity and device management platform.

Key Benefits

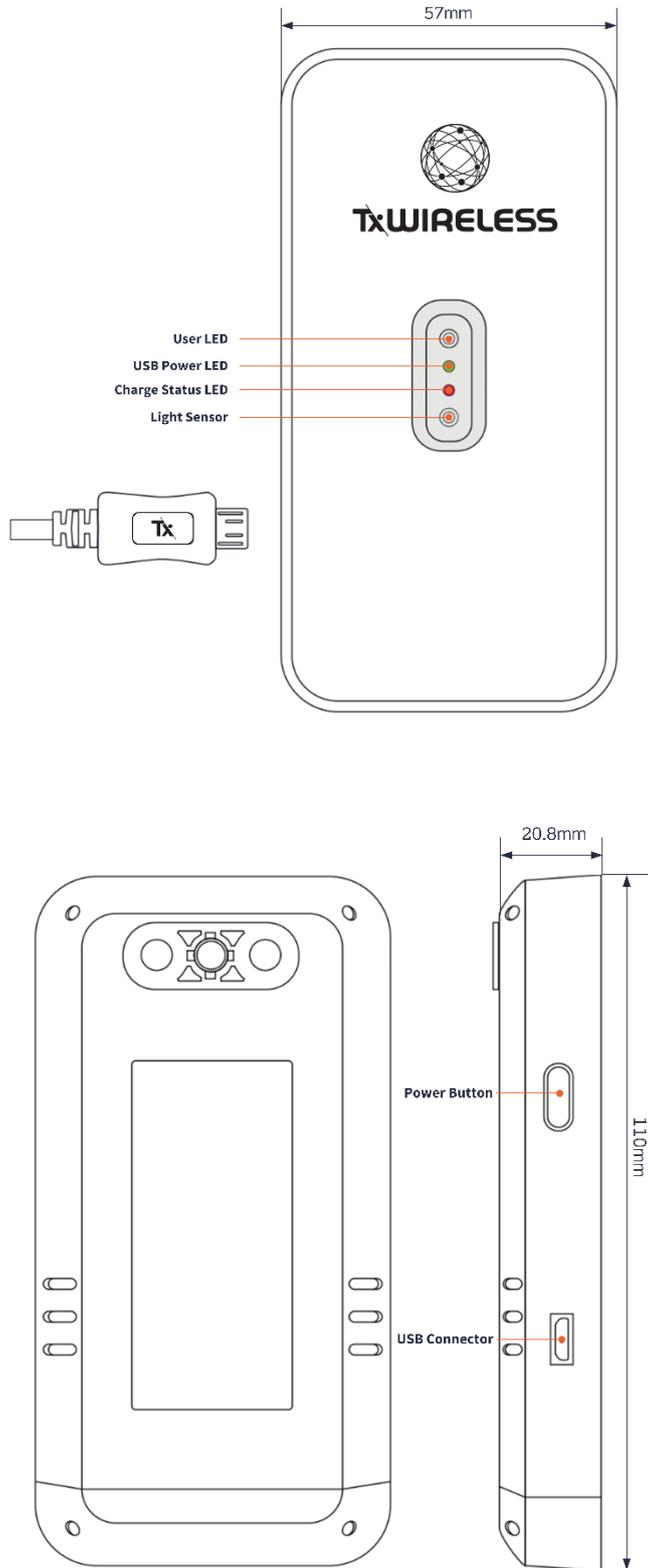
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|--|---|--|
|  <p>Reduce Costs Leverage the proof of concept (PoC) design to minimize the cost and lead time of product development.</p> |  <p>Accelerate Your Project Accelerate product development progress and validation with this ready-to-go platform.</p> | |
|  <p>Cloud Platform Test and validate your cloud platform with real-time sensor data over cellular.</p> |  <p>Wi-Fi & BLE Test and validate your device Wi-Fi and Bluetooth performance with the EDGE Connect accelerator platform.</p> |  <p>Ready Out Of The Box A full IoT security stack, power, device management and Data-as-a-Service, all in a single box and ready to deploy.</p> |

Specifications

| | |
|-------------------|---------------|
| Model Name | EC50 |
| System | |
| Processor | ARM Cortex M7 |
| RAM | 384 KB |
| Flash | 2048 KB |

| | |
|-----------------------|---|
| Firmware O/S | RTOS Applications Libraries (Real Time Performance) |
| Security | Cloud Mutual authentication, Hardware root for trust, secure key storage |
| Radios | |
| Cellular | Various options available (LTE EMEA with 2G fallback, Global NB-IoT and CatM, Global NB-IoT and CatM) |
| GNSS | GPS/GLONASS/Galileo/BeiDou (Via GNSS expansion pack) |
| Bluetooth | BLE 4.2 |
| On-board sensors | Temperature, Humidity, Light, Atmospheric pressure, Accelerometer, Gyroscope & Magnetometer |
| Physical | |
| Operating Temperature | -20°C (-4°F) to +60°C (140°F) |
| Weight | 93g |
| Power | 3.2v – 4.5v, Current 2A- 3A |
| Battery | 1200 mAh rechargeable Lithium-ion or Li-ion battery |

Mechanical Specifications



Regional Support and International Engineering

Let's make something great together

We are trusted by over 5000+ clients.
Join them by using our services and grow your business.

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