Adtran

SDI 7000 Series

7310-08

LoRaWAN IoT Gateway

IoT
Gateway

LoRa
Enabled

PoE
Powered

Benefits

- Affordable LoRaWAN® Connectivity In or Around Commercial Buildings
- Its Microsize Makes it Inconspicuous and Quick and Easy to Deploy
- Supports an External Antenna for Deeper In-Building Coverage
- User Selectable 8-Channel Sub-bands
- Fully Functional When Powered via 802.3af (PoE)
- Gigabit Ethernet RJ45 or Wi-Fi Connectivity for IP Backhaul
- Bluetooth Configuration App Eliminates the Need for Wired Configuration

Overview

The Adtran SDI 7310-08 is a microsized indoor LoRaWAN Internet of Things (IoT) gateway that is perfect for enterprises, small businesses, and industrial IoT applications. This 8-channel gateway supports an external antenna, has one Gigabit interface, Wi-Fi connectivity, and can be powered by 802.11af PoE or a Micro USB connector. This device provides a reliable connection to a public or private Long Range Wide Area Network (LoRaWAN) network. It is designed and built specifically for IoT machine-to-machine communications.
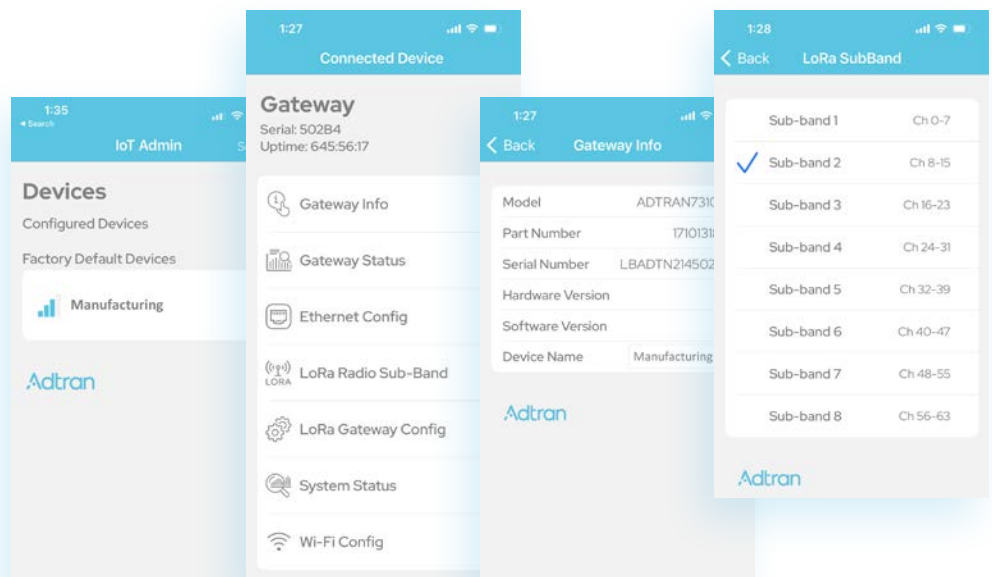
Long Range Wide Area Network

LoRaWAN is a very low-cost wireless network that has long range and uses small amounts of power, making it the perfect choice for dedicated, battery-powered sensors.

With all the sensors available in the IoT market, the applications are endless, and once a LoRaWAN network is established, multiple overlaying IoT applications can share the same network.

Administration

Configuring the SDI 7310-08 has never been easier. No console port is needed to configure this device. The SDI 7310-08 is easily configured via an Apple® iOS or Android®-based Bluetooth® app. Simply download the Adtran IoT app from either the Apple App Store® or Google Play®, log in to the device and instantly get access to the gateway and system status, Ethernet and Wi-Fi configuration, and to configure the LoRa Radio and sub-bands, right from any iOS or Android-based mobile device.

aws qualified device
internet of things

LoRa Alliance® Member

7310-08

Product Specifications

LoRa Interface

- ISM NA915 Band
  - 902 – 928 MHz
- Max TX Power
  - 27 dBm
- RX Sensitivity
  - –127dBm at SF7 BW 125kHz

Interfaces

- 1 – 10/100/1000BaseT RJ45
- 1 – Dual-band WiFi Connection
  - 2.4 and 5GHz (802.11 a/b/g/n/ac)
  - Integrated Antenna

Status LEDs

- Power
- LoRaWAN
- LoRa Radio
- Network Transmit
- Network Receive

Physical

- Chassis: Micro-sized plastic enclosure
- Mounting: Desktop, Wall and T-rail
- Dimensions (H x W x D): 4 in. x 4 in. x 1.5 in. (10.2 cm x 10.2 cm x 3.8 cm)
- Weight: 2.5 lbs (.11 Kg)

Administration

- Bluetooth enabled iOS Application (iOS 14.1 or higher)
- Bluetooth enabled Android Application (Android 9.0 or higher)
- Embedded Web GUI

Power

- PoE: 802.3af (PoE), 802.3at (PoE+), Legacy PoE
- 48 VDC, 0.1 A
- AUX PWR: Micro USB, 5 VDC, 1.0 A
- Max Power: 4.8 Watts

Environment

- Operating Temperature: 0° to 40°C (32° to 104°F)
- Storage Temperature: –40° to 85°C (–40° to 185°F)
- Relative Humidity: Up to 95%, non-condensing

Regulatory Compliance

- FCC Part 15
- RSS-GEN, RSS-247
- UL/CUL NRTL Listed
- RoHS Compliant

Warranty

- 1-year Warranty
- Includes access to phone product support

Ordering Information

Equipment	Part No.
SDI 7310-08	17101318F1

ADTRAN Certified Supplier
ISO 9001
ISO 14001
TL 9000

TL9000
TL 19.1270