

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 micro-sized 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.

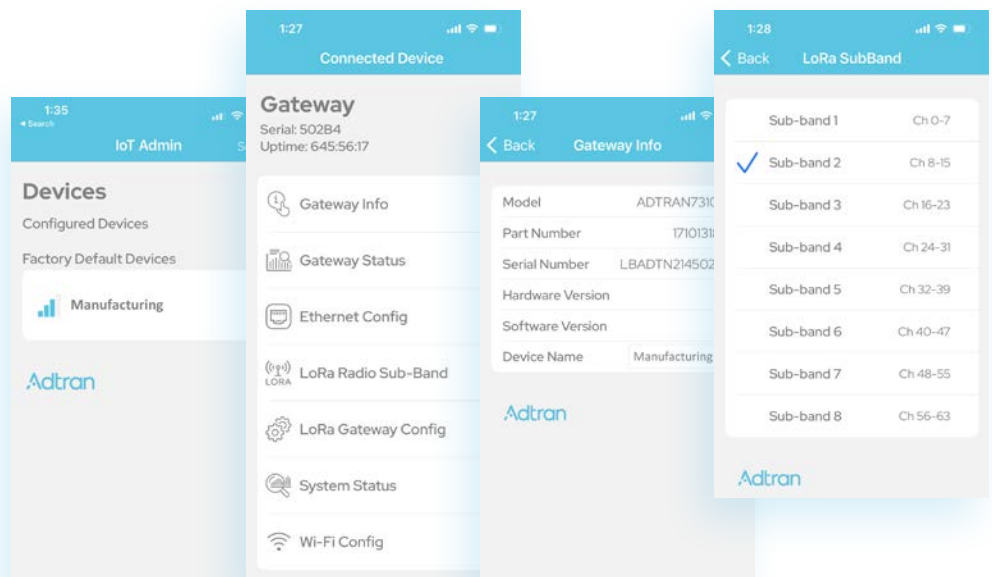
#### Long Range Wide Area Network

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.



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## 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

SDI 7310-08

Part No.

17101318F1

Adtran

**Adtran Corporate Headquarters**  
901 Explorer Boulevard  
Huntsville, AL 35806  
USA  
adtran.com  
sales@adtran.com

**Adtran Europe Limited**  
Building 2200 Basing View  
Basingstoke RG-21 4EQ, UK  
contact@adtran.com

**Adtran GmbH**  
Jean-Monnet-Straße 4,  
10557 Berlin, Germany  
kontakt@adtran.com

**Adtran Networks Pty. Limited**  
L5 330 Collins Street  
Melbourne, Victoria, 3000  
Australia  
australia@adtran.com

**617101318F1-8F**

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