



ADTRAN

7310-8

LoRaWAN IoT Gateway

| | | |
|----------------|-----------------|----------------|
| IoT Gateway | LoRa Enabled | PoE Powered |
|----------------|-----------------|----------------|

Benefits

- Affordable LoRaWAN® connectivity in or around commercial buildings
- Its microsize makes it inconspicuous making it quick and easy to deploy
- Supports an external antenna for deeper in-building coverage
- User selectable 8-channels
- Fully functional when powered via 802.3af (PoE) and 802.3at (PoE+)
- Gigabit Ethernet RJ-45 for IP backhaul
- Bluetooth configuration app eliminates the need for wired configuration

Overview

The ADTRAN 7310-8 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 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.

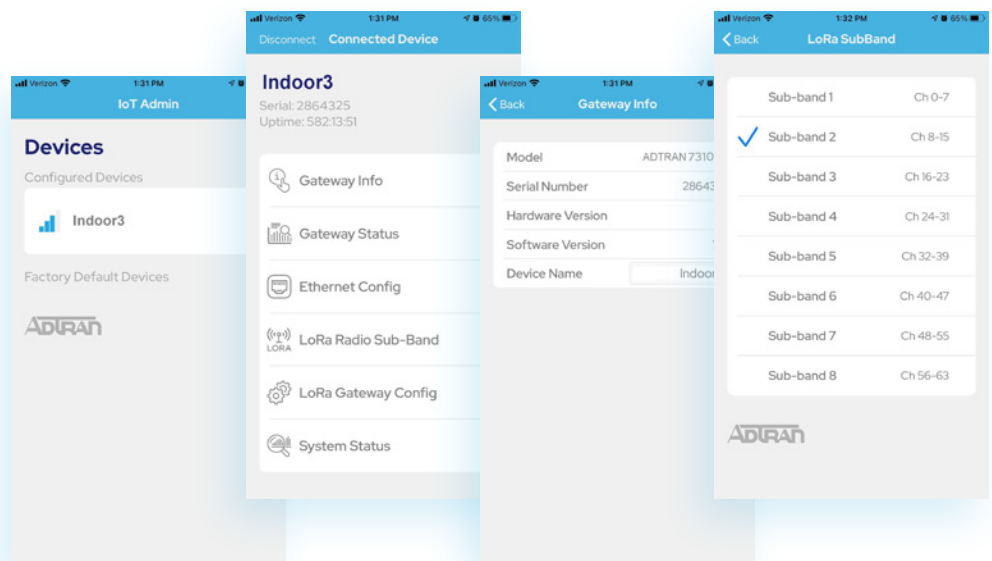
Long Range Wide Area Network

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 an ADTRAN 7310-8 has never been easier. No console port is needed to configure this device. The 7310-8 is easily configured via an Apple® iOS-based Bluetooth® app. Simply download the ADTRAN IoT app from the Apple App Store®, log in to the device and instantly get access to the gateway and system status, Ethernet configuration, and configure the LoRa Radio and sub-bands, right from any iOS-based mobile device.



ADTRAN 7300

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

Status LEDs

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

Physical

Chassis:

- Micro-sized plastic enclosure

Mounting:

- Desktop
- Wall Mount
- T-rail Mount

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:

- .25 lbs (.11 Kg)

Administration

- Bluetooth enabled iOS Application
- iOS 14.1 or higher

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 50°C (32° to 122°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. |
|---------------|------------|
| ADTRAN 7310-8 | 17101318F1 |



ADTRAN, Inc.
901 Explorer Boulevard
Huntsville, AL 35806
256 963 8000

General Information
800 9ADTRAN
adtran.com/contactus

Canada—Montreal, Quebec
+1 877 923 8726
+1 514 940 2888
sales.canada@adtran.com

Mexico and Central America
+1 52 55 5280 0265 Mexico
sales.cala@adtran.com

617101318F1-8A

December Copyright © 2020 ADTRAN, Inc. All rights reserved. ADTRAN believes the information in this publication to be accurate as of publication date, and is not responsible for error. Specifications subject to change without notice. ADTRAN and the other trademarks listed at www.adtran.com/trademarks are registered trademarks of ADTRAN, Inc. or its affiliates in various countries. All other trademarks mentioned in this document are the property of their respective owners.

ADTRAN warranty duration and entitlements vary by product and geography. For specific warranty information, visit www.adtran.com/warranty

ADTRAN products may be subject to U.S. export controls and other trade restrictions. Any export, re-export, or transfer of the products contrary to law is prohibited. For more information regarding exportation of ADTRAN items (e.g. commodities, technology, software), please visit www.adtran.com/exportlicense.

ADTRAN
Certified
Supplier



TL9000
TL 9000

ISO 9001
ISO 14001
TL 9000