



ADTRAN

7310-8

LoRaWAN IoT Gateway

IoT Gateway	LoRa Enabled	PoE Powered
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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.

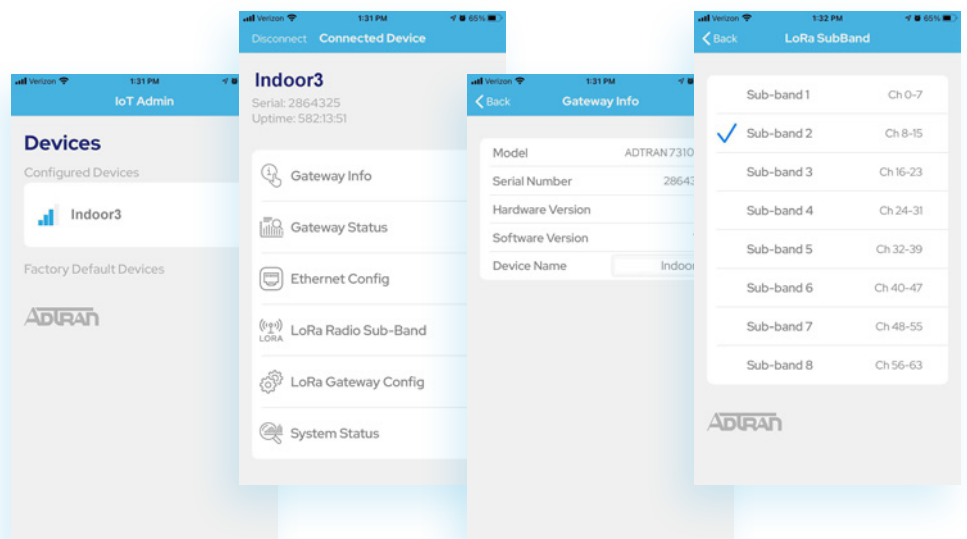
Long Range Wide Area Network

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):

- 10.2 cm x 10.2 cm x 3.8 cm (4 in. x 4 in. x 1.5 in.)

Weight:

- .11 Kg (.25 lbs)

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

ADTRAN 7310-8

Part No.

17101318F1



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