



Network Gateway

The InstruVU Gateway is an open source indoor gateway.

It lets you bridge InstruVU's wireless network to an IP network via WiFi, Ethernet, 3G or 4G cellular network.

The wireless gateway allows users to send data and reach extremely long ranges at low data-rates.

The InstruVU Gateway provides 10 programmable parallel demodulation paths.

This solution is built on an open-source OpenWrt system and is easily managed through a web-based GUI or via SSH over Wi-Fi.

It supports secure remote access using Reverse-SSH and allows local decoding of ABP end node data with seamless transfer to an MQTT server.



FEATURES

- Multi-level user login for secure access control
- Compatible with Semtech Packet Forwarder
- Optional 3G/4G cellular connection for remote or mobile deployments

Cellular 4G LTE (Optional):

- Quectel EC25 LTE module
- Micro SIM Slot
- External 4G Sticker Antenna.
- Up to 150Mbps downlink and 50Mbps uplink data rates
- Worldwide LTE,UMTS/HSPA+ and GSM/GPRS/EDGE coverage

SPECIFICATIONS

Hardware System:

400 MHz ar9331 processor

64MB RAM

16MB Flash

Interface:

10M/100M RJ45 Port

WiFi: 802.11 b/g/n

Power Input: 5V DC, 2A, Type C

USB 2.0 host connector

Mini-PCI E connector

SX1302 + 2 x SX1250

WiFi Spec:

IEEE 802.11 b/g/n

Frequency Band: 2.4 ~ 2.462GHz

Tx power: 11n tx power : mcs7/15: 11db mcs0 : 17db

11b tx power: 18db

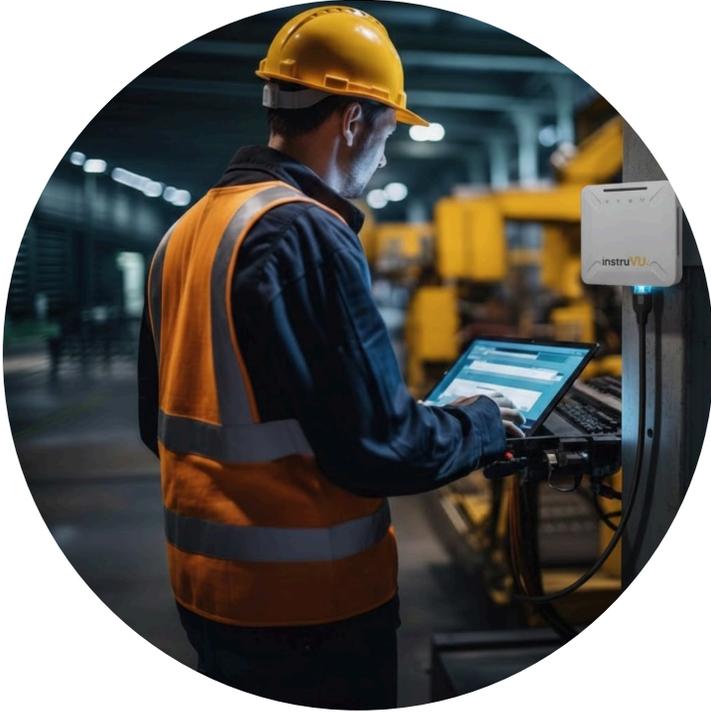
11g 54M tx power: 12db

11g 6M tx power: 18db

Wifi Sensitivity: 11g 54M : -71dbm

11n 20M : -67dbm

Ethernet Capabilities



Long Range



4G Cellular

