



LoRa Gateway

AI Enabled Edge Gateway with built-in IDS

BENEFITS



A Single, Unified Interface to Your Hardware

Tisalabs Device OS abstracts the complexity away from traditional firmware development with hardware and feature-rich APIs that make it simple to write applications for any device.



Innovate and Upgrade Fearlessly

Our OTA update system gives you compatibility verification, intelligent updates and dynamic delivery to allow to push OTA updates live in 30 seconds without bricking your devices.



Get The Data You Need From Any Device

Build systems that reliably measure temperature, device states, consumable levels, location, pressure, vibration and more. Hardware enabled security makes your device identity management reliable, secure and trusted.

USE CASES



Smart Agriculture

Our Technology enables you to be the leader in your industry by improving your yield and gaining control of your efficiency while maintaining realtime global view.



Smart Transportation

Improve visibility with realtime location data combined with AI to improve your customers experience when using your services.



Smart Manufacturing-Digital TWIN

Stop costly manual checks when deploying IoT at scale. You will never have to send an engineer to check the status of your machinery again.

EDGE GATEWAY INTELLIGENCE

Being able to run analytics or make decisions based on data collected from IoT devices is crucial for customers requiring real time feedback and decisions. Tisalabs Edge Gateway device and software make it a reality. Our machine learning at the edge combined with data collection agent software allows you the customer to build real time decision flows to suit your business needs.



END TO END SECURITY

Gateway with device to device security combined with gateway to device encryption and signature using hardware keys for improved cybersecurity.



ANALYTICS AT THE GW

Storing and displaying data from IoT devices and sensors is key to providing visibility and behavior patterns that supports improvements of your IoT projects.



MULTIPLE CONNECTIVITY

With a range of connectivity options from Cellular (5G/4G/3G/2G), Satellite and IP networks as well as LoRa/LoRaWAN, WiFi from gateway to devices your devices are always visible.

END DEVICE WITH FULL H/W SECURITY

Collecting data from IoT devices ensures that you have real time data to make decisions on but the data has to be reliable and trustworthy. Tisalabs Custodian device makes the communication between your IoT devices secure and reliable by encrypting the data. The device signature is used to verify the identity of your device to proof data source custody. The security technology is based on H/W keys, this method makes your devices tamper proof and 100% reliable.



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