

Building Scalable IoT Platforms &  
Smart Connected Devices

## Smart IoT Gateway

Connect . Collect . Compute . Communicate

At HashStudioz Technologies, we specialize in creating smart, secure & connected industrial solutions for the future. Our Industrial IoT solutions & services are designed to transform the way industries operate, ensuring a more efficient & connected world. Join us in shaping the future of technology!

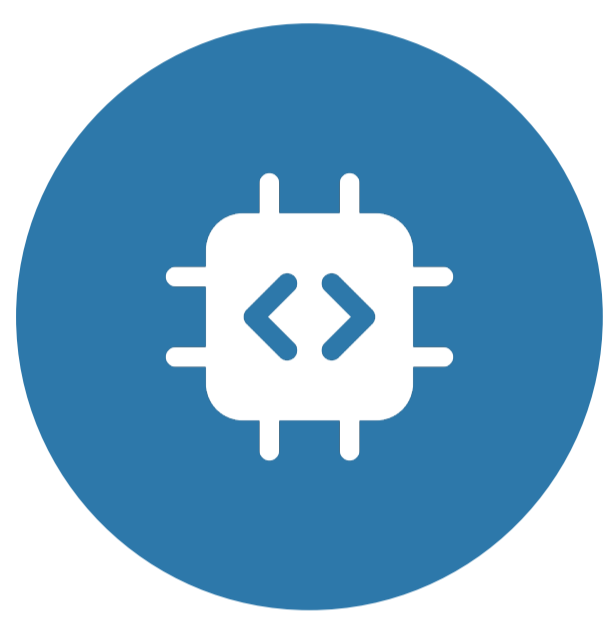


# Transformative Solutions To Serve Business At Every Growth Phase

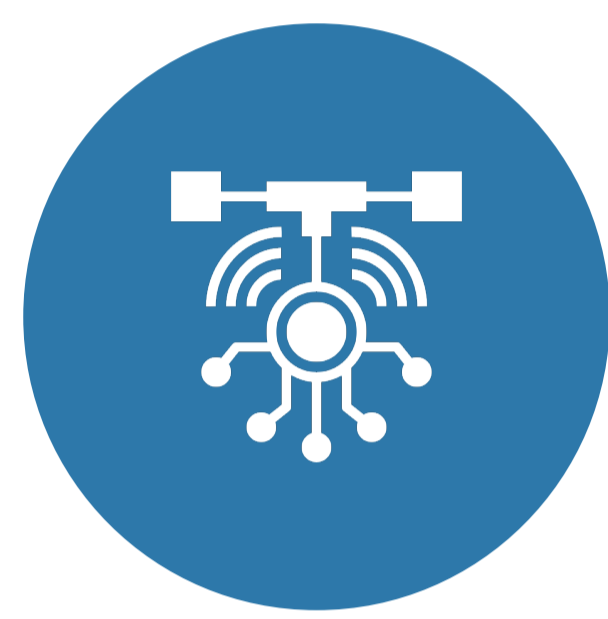
## Introduction

The smart gateway drives the seamless transmission of data captured from machines, sensors, and PLCs through various available interface options to the cloud dashboard. Data communication and/or control operations can be performed using the desired communication protocol and the desired network interface.

## Complete Solution for Remote Data Transmission & Control



Communicate over multiple standards with hardware



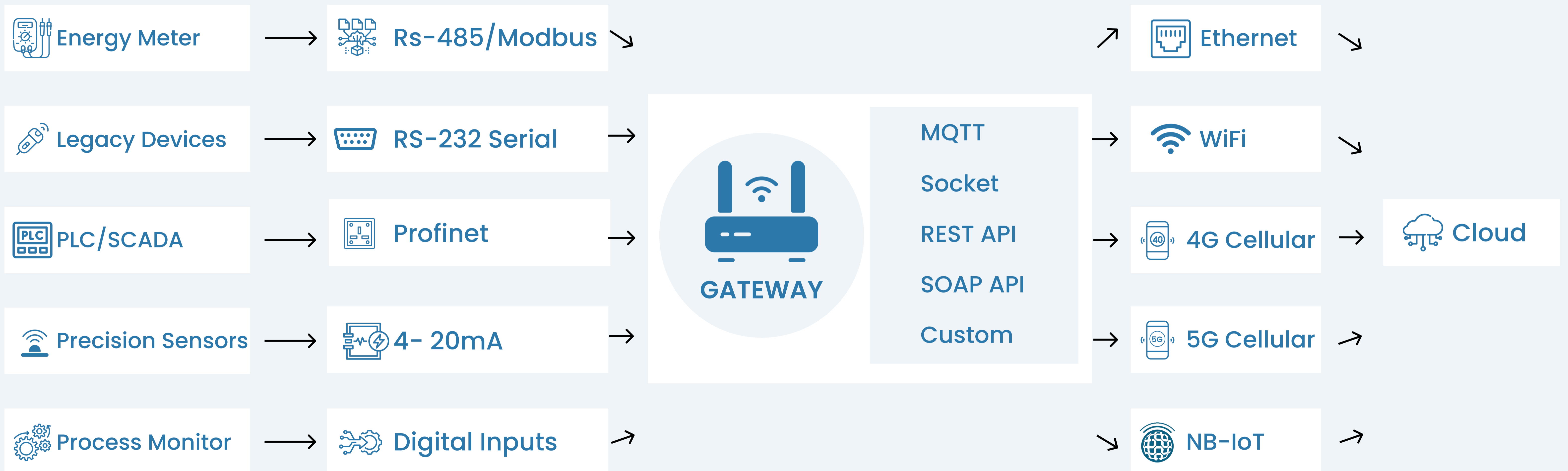
Multi protocol support for greater compatibility



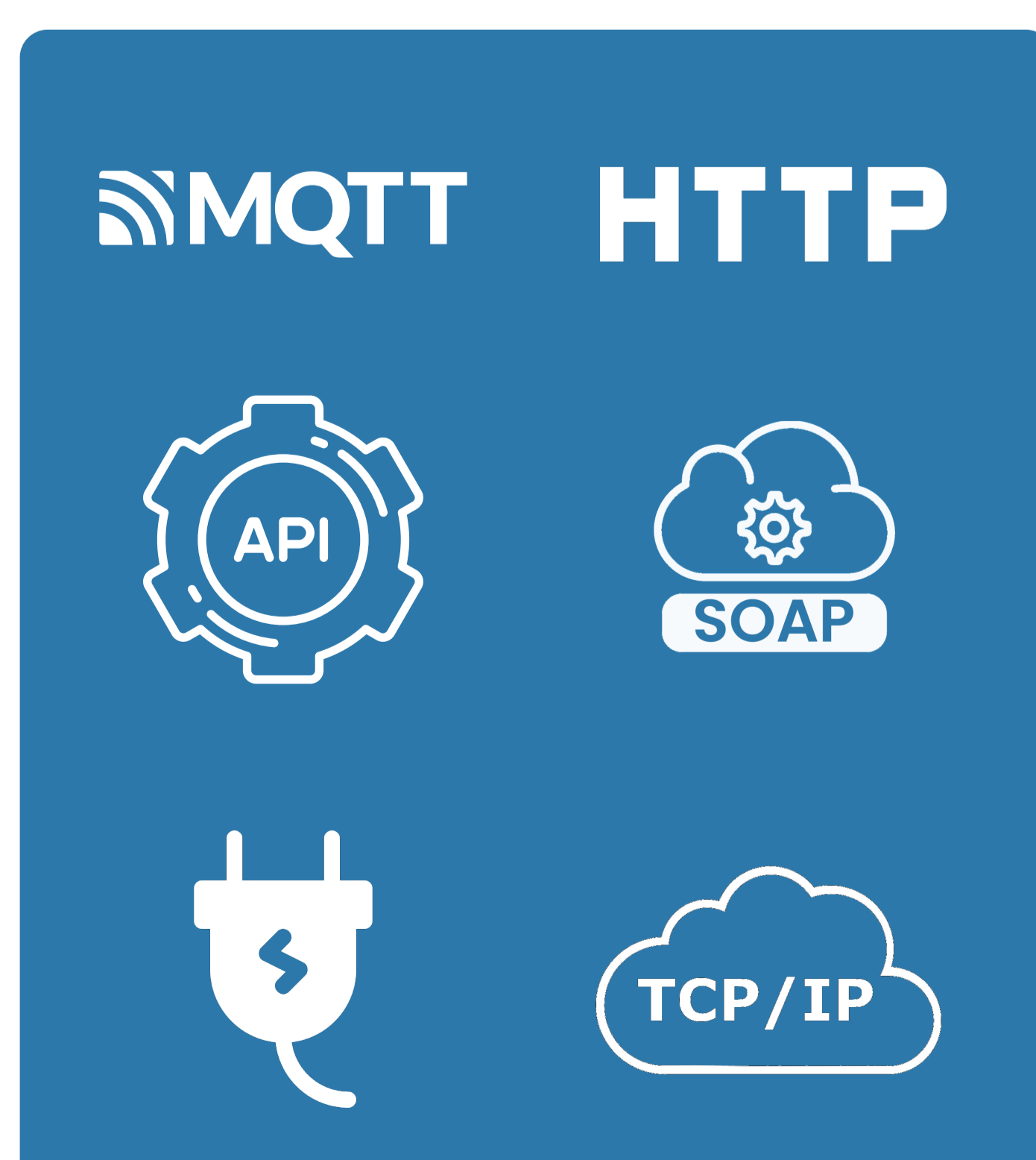
Remote configurable system



Supports bidirectional data & control operation



- 4-20 mA current loop input.
- Potential free digital input.
- 0-32v Digital Input.
- RS-485 Modbus.
- RS-485 Serial.
- RS-232 Serial profinet.



- Easily configurable remotely.
- Monitor or control device on any cloud dashboard.
- Supports all industrial band rates.
- Easy integration into existing SCADA system.

# Technical Specification of IoT Gateway

## Industrial IoT Gateway

### Slave Devices

|                             |                           |
|-----------------------------|---------------------------|
| Slave Device Connectivity:  | RS 485                    |
| Max Slave Devices:          | 30                        |
| Slave Devices Supported:    | RS-485, RS-232, 5DI, 10DI |
| Max Slave Device on RS-485: | 30                        |

### Data Acquisition & Storage

|                     |                                  |
|---------------------|----------------------------------|
| Acquisition Speed:  | 125ms (8Hz)                      |
| Local Data Storage: | 500 Data Points                  |
| Time Keeping:       | Real-time Clock, Internet Synced |
| Tags Supported:     | 250 Registers/Slave              |

### Auxiliary Supply

|                          |                         |
|--------------------------|-------------------------|
| Input Voltage:           | 6 to 30 VDC             |
| Current Consumption:     | 1.5 Amp                 |
| Power Supply Connection: | Terminal Block, DC JACK |

### Asset/Machine Connectivity

|                                  |   |
|----------------------------------|---|
| Modbus - TCP/IP Protocol:        | 1 |
| Protocols for PLC Communication: | 1 |
| Modbus RS-485 (Upto 12 Device):  | 1 |

### Case & Dimensions

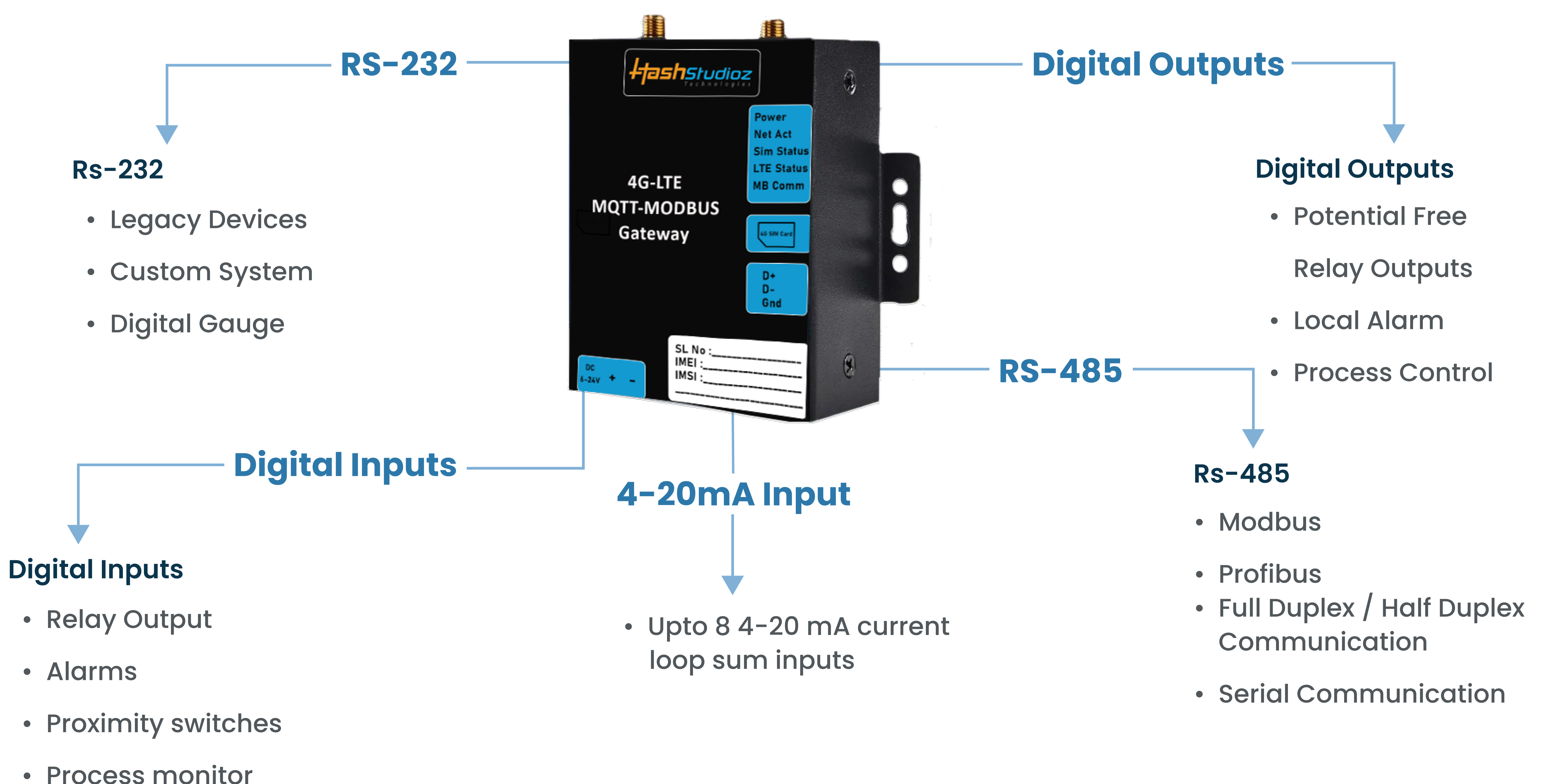
|                         |                     |
|-------------------------|---------------------|
| Dimensions (L X B X H): | 115.5 X 78 X 27.5mm |
| Weight:                 | 250 Gm              |
| Enclosure:              | Stainless Steel     |
| Mounting:               | DIN Rail            |
| IP Rating:              | 33                  |

### Operating Environment

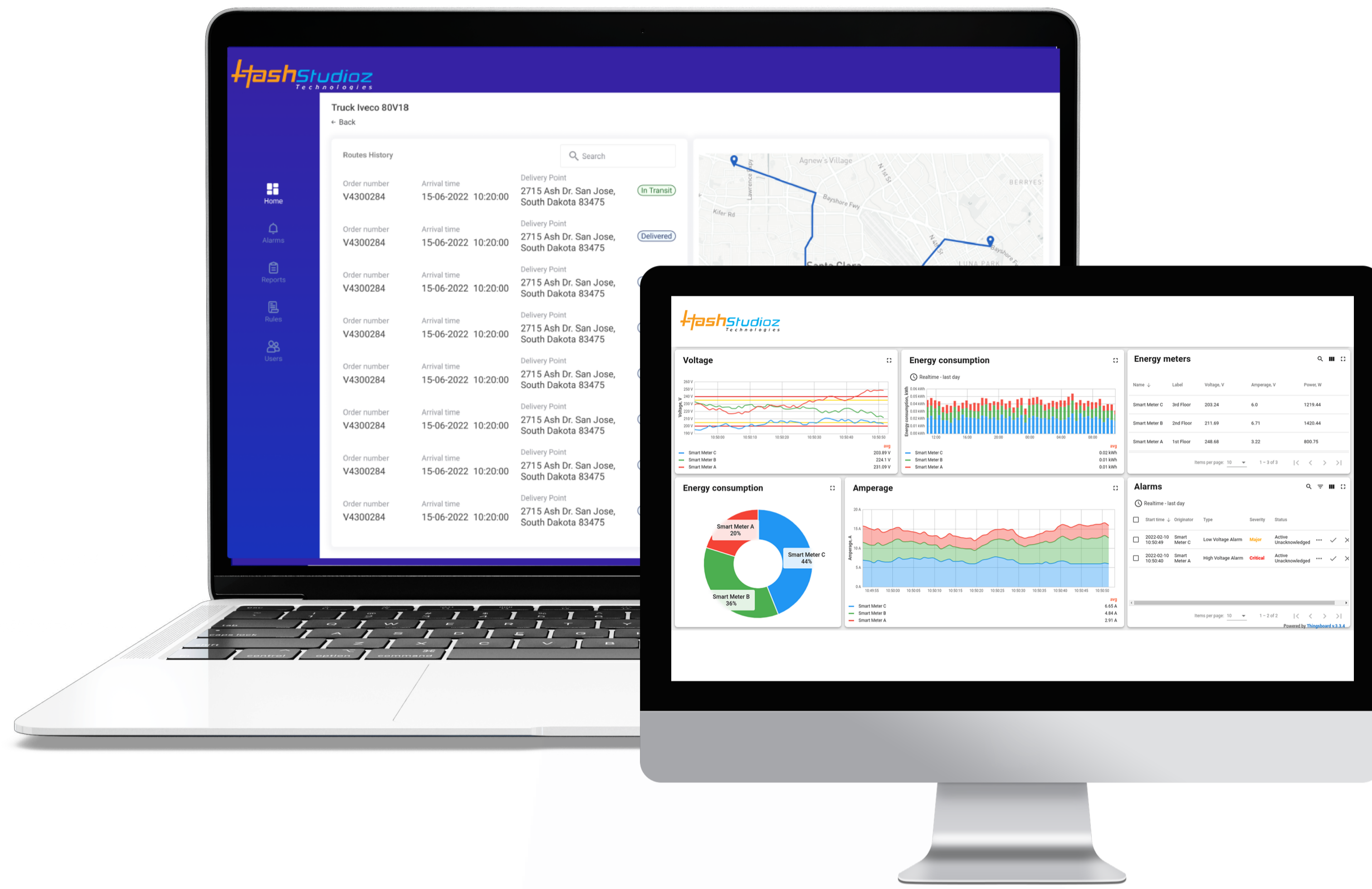
|                        |                         |
|------------------------|-------------------------|
| Operating Temperature: | -10 to +50°C            |
| Relative Humidity:     | 5 to 95% Non Condensing |

### Communication

|                     |                        |
|---------------------|------------------------|
| Cloud Connectivity: | 4G-LTE, WiFi, Ethernet |
|---------------------|------------------------|



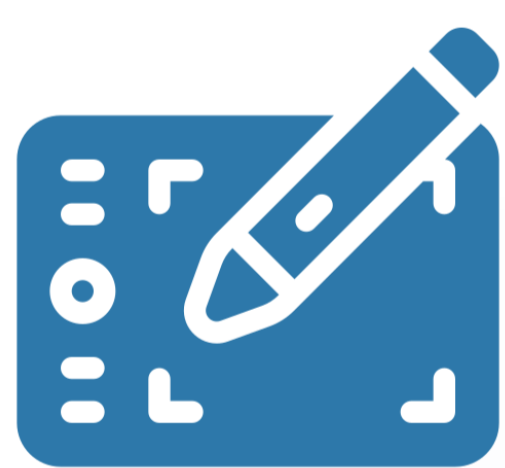
# World's Smartest Industrial IoT Dashboard/Portal



## Features

- Interactive, Customizable dashboards.
- Real time Data Monitoring.
- Actionable reports with graphs.
- Automated daily & monthly email reports.

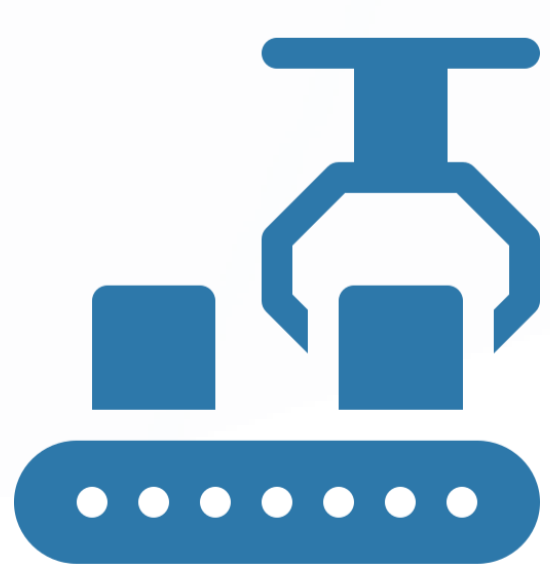
## We Offer



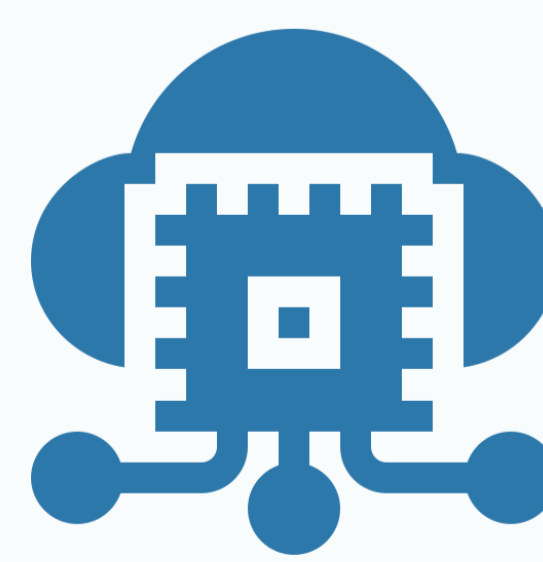
Hardware Design



Cloud & Mobile Solutions



Turnkey Manufacturing



Firmware Development



## Our Clients/Partners

pine labs

