

# Optima EDGE

Optima EDGE aka Envision is a modular IoT Modbus gateway that provides fully configurable and secure access to real-time data from PLC/SCADA systems.

## Features



Remote management of devices and assets



Real-time data acquisition, transmission, and storage



Onsite and Remote Configuration



Alert Messaging and Event Detection



# SPECIFICATIONS

## Enclosure

Box ( l x w x h ) in mm: 245x152x50  
 Approximate Weight, lbs [kg]: 2.8 [1.3]  
 Certifications: CE, FCC/ROHS Complaint  
 Enclosure Rating: IP65/Metal

## Input Power Support

Power Supply: 90-270 VAC 0.7A 50/60 Hz

## Temperature Support

Operating Temperature: -20 to +70 deg C  
 Storage Temperature: -20 to +70 deg C

## Processor

Family: Ti Sitara AM335X  
 Architecture: ARM Cortex A8  
 Clock: 600MHz-1000MHz

## Primary Memory

Memory Type: DDR3  
 Memory Size: 512 MB

## Secondary Memory

Memory Type: Flash, NAND  
 Memory Size: 256 MB

## External Memory Support

Memory Type: SD Card  
 Memory Support: 128 GB or higher

## USB Support

USB Type: 2.0

## Ethernet Support

Port Speed: 100-1000Mbps  
 Distance: 100 Meters (Cat 6 UTP)  
 Forwarding Rate: 0.75 Mbps  
 Indicator: Port Light  
 Connector: RJ45

## Modem & other support

Connections: WiFi, Cellular, Satellite, LoRaWAN, P2P

## Gateway Interface

Protocol: Modbus-RTU Master  
 Data Rate: 9600 bps to 12 Mbps  
 Connector: IP 65 Circular Connector  
 Isolation: 2kV (Built-in)

## Software

Configuration: Device Configuration via Web browser  
 Web Browser Support: Firefox, Chrome, Safari, Opera  
 OS Support: Windows, Linux, OSx  
 Mobile Support: Android, iOS via App

## Environmental Limits

Operating Temperature: -20 to 70°C (-4 to 158°F)  
 Storage Temperature: -20 to 70°C (-4 to 158°F)  
 Relative Humidity: 5 to 95% (non-condensing)  
 Vibration: IEC 60068-2-16, IEC 60068-2-64  
 Shock: IEC 60068-2-27  
 Drop: IEC 60068-2-32