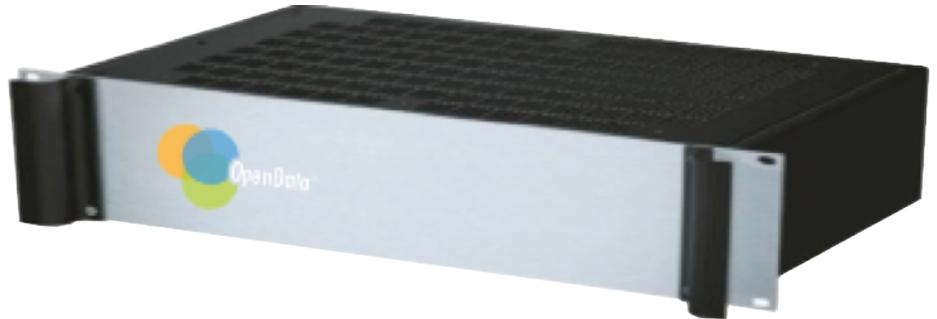


Modius® Edge RTU™

The Modius Edge RTU

is the essential appliance needed today for remote device management. This telco-grade gateway comes with OpenData® Collector software installed for monitoring, analytics, and cyber-secure mediation of equipment data to a centralized server. The Edge RTU works in harmony with OpenData Enterprise Edition to provide a complete management solution for any number of devices spread across 1, 10 or 10,000 locations.



How it Works

Site equipment publishes its data via industry standard protocols, such as SNMP and Modbus. The Edge RTU is equipped with an integrated PoE switch for communications with network enabled devices and optional dongle to support communications with serial devices. OpenData running on the Edge RTU pushes collected measurements and alarms from geographically diverse locations to the cloud or a centralized customer owned database. The Edge RTU also supports a standalone configuration that is web-based for convenient and secure monitoring and administration, and provides alarm notification for one or more email recipients.

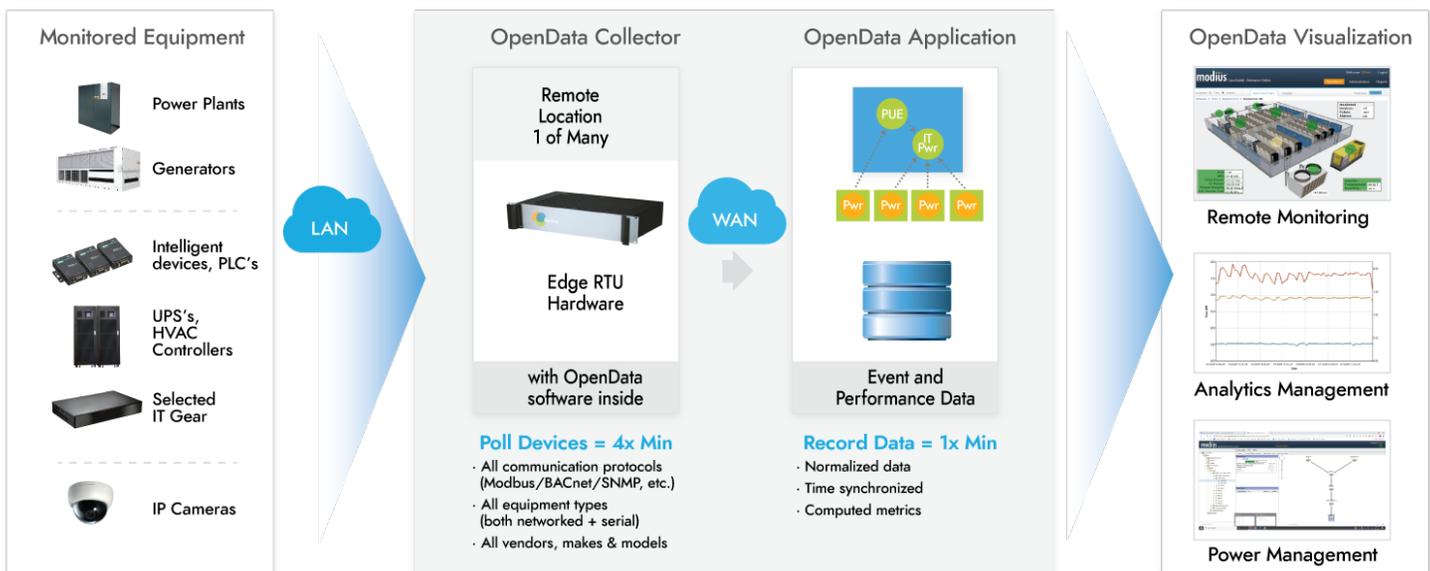
Analytics

Edge technologies are key to the ability to collect and analyze data in real-time. Transformations and KPI's can be computed near the point of collection where equipment resides. This distribution of compute power to the edge makes for a highly scalable and performant system. Configuring OpenData is web-based and easy for users, even when new to analytics. Reports and dashboards provide a portfolio-wide view of live and historical data. Integrated analytic tools enable users to extract actionable insights that traditional monitoring paradigms cannot approach.

Collect

Analyze

Act



Specifications

Weight
8.4 lbs (3.8 kg)

Mounting
2U, 19-Inch Rack

Temperature
Operating Temperature: -20 to 70C (-4 to 158F)
Storage Temperature: -30 to 70C (158 to -22F)
Sensor Temperature (Optional): -20 to 70C (-4 to 158F)

Relative Humidity
Operating: 10% to 95% RH (non-condensing)

Input Voltage Range
-40 to -60 Vdc

Current Draw:
500 mA at 48VDC (when no PoE active)
4 Amps maximum

Processor Speed
Cache: Intel® Atom™ E3805 dual core 1.33 GHz / 1 MB

Operating System
Microsoft® Windows® 10 IoT Enterprise LTSB 2016

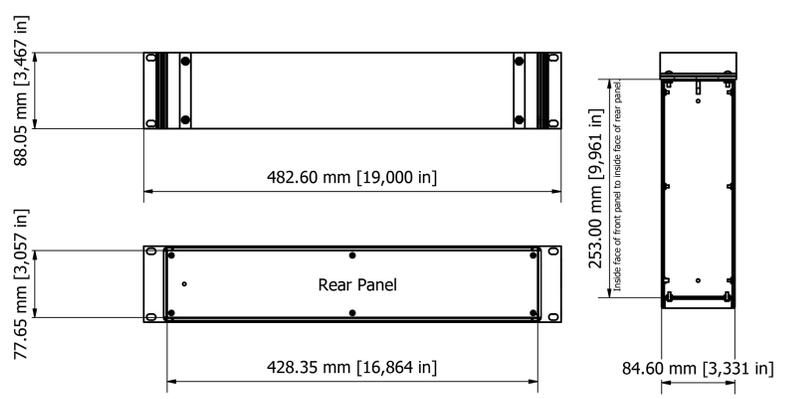
Software
OpenData by Modius

Supported Collection Protocols
Active polling support for SNMP, Modbus, and BACnet

Interfaces
Power Inputs: 2 supporting 30-12 AWG wire
WAN RJ45 Ethernet Ports: 1
LAN RJ45 Ethernet Ports with PoE: 7 (Option for 15)
USB Type-A: 1
HTTPS secure web for configuration & management

Warranty
1 year

Patent Pending



Includes pluggable power connectors with screw terminals to facilitate installation.

Optional Accessories

Temperature sensor with USB extension cable



Dongle to convert Serial to Power over Ethernet (PoE)



About Modius

Modius Inc. is a world leading end-to-end solution provider for managing the availability, capacity and efficiency in the critical facilities of data centers, smart buildings, telecommunications and other IoT environments.

The Modius flagship offering, OpenData, provides all the tools needed to manage the performance of mission critical infrastructure, from integration of disparate devices, to analytics, to integrated dashboards, all in a "single pane of glass."