

# Modius® Standard RTU™

## Modius Standard RTU Overview

The Modius Standard RTU is a versatile and powerful system used for monitoring and control of equipment sites. This is a high powered full function Remote Telemetry Unit (RTU). The Modius Standard RTU has built-in physical interfaces for connecting to contact closure I/O's, analog sensors, and serial ports, making it ideal for monitoring and controlling a multitude of devices all from one box.

The Modius Standard RTU rugged design and small 1 RU form factor means it can be used in remote cabinets or enclosures, from small cabinet locations up to large walk-in enclosures, as well as rooms hosting server equipment. This device supports environmental monitoring, power monitoring from both AC and DC sources, generator fuel levels, fuse panels, and monitoring of inherently non-SNMP type equipment such as HVAC, UPS, etc. The device also supports remote access to equipment via an Ethernet connection either directly by connecting equipment to its integrated switch, or indirectly via connection to the same IP network.

The Modius Standard RTU supports standard Web browsers and SSH to provide users a convenient and cybersecure interface for local monitoring, control, and provisioning. Comprehensive analytic capabilities are unlocked when used in conjunction with Modius OpenData® software as an unifying management system.

## Standard Unit Configuration

Below describes the configuration typically recommended for most applications. Other configurations are sometimes made available to meet specific business requirements.

- 14 inputs for monitoring dry-contact closures from equipment
- 6 output relays for equipment control or signaling
- 6 inputs for analog voltage measurements
- 2 power inputs for -48 VDC environments
- 1 RJ45 port for digital sensor(s) sold separately
- 1 port for LPG fuel level sensor sold separately
- 1 Ethernet port for Wide Area Network (WAN)
- 4 Ethernet ports for Local Area Network (LAN)



## Highlight Features

- Telco-grade, fanless design
- Built-in software utilizes a powerful Linux operating system
- Supports both Web Browser and SSH user interfaces for convenient monitoring and management
- Can be powered from dual -48 VDC from powerplant, or single +15 VDC from AC/DC Wall Power converter
- Dual network interfaces to support separate LAN and WAN connections
- Features integrated Ethernet switch for networking other onsite equipment
- In-band or out-of-band access to remote serial equipment
- Supports monitoring dry-contact closures from equipment
- Supports Form-C output relays for user-initiated control and configurable automated control
- Features ES/ESJ port for connecting various types of optional digital sensors (i.e. temperature, humidity, etc.)
- Supports input for LPG fuel level monitoring sensor
- USB ports for upgrades, settings loads, and other onsite management.
- Convenient plug connectors with screw terminals to facilitate initial deployment and spare swap-outs
- 12VDC and 5VDC power outputs to power sensors and door security options
- Supports cybersecure SNMPv3 reporting compatible with many SNMP-based network management systems
- Easy integration with Modius OpenData® software as the recommended platform for monitoring and analytics

Front

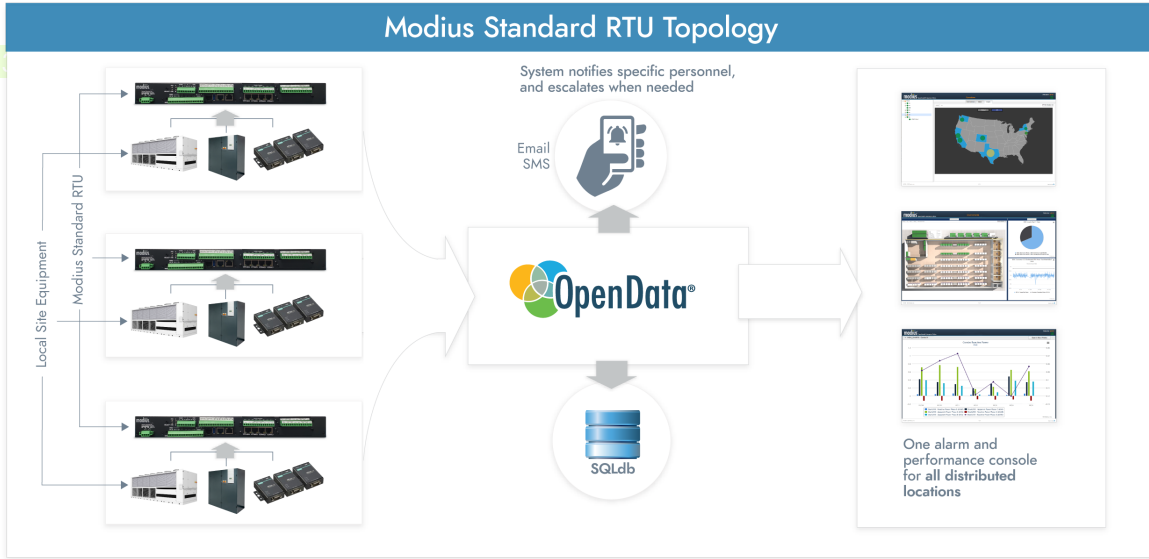


Back



### Modiüs Standard RTU Topology

Modiüs Standard RTU Topology



## Specifications

| Physical  | Environmental  | Power   |
|---|--|---|
| <b>Width</b><br>15.5in / 39.4cm (without Mounting Bracket)  | <b>Operating Temperature</b><br>-40° to 60°C           | <b>Power Inputs</b><br>Single 12-17VDC input and Dual24-60VDC inputs for telco environments |
| <b>Depth</b><br>6.09in / 15.46cm                            | <b>Operating Humidity</b><br>0 to 95% (Non-condensing) | <b>Power Usage</b><br>Less than 10W (typical)   |
| <b>Height</b><br>1.68in / 4.28cm                            | <b>Certification</b><br>RoHS, UL Certified (pending)   | <b>Warranty</b><br>1 year   |
| <b>Weight</b><br>3lbs / 1.36kg (Dependent on configuration) |  |   |

## About Modiüs

Modiüs 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 Modiüs 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."