

Guardian Management Gateway

ADD INTELLIGENCE TO YOUR IT INFRASTRUCTURE



BENEFITS AND FEATURES

- Data Center environmental monitoring platform
- Compact design, fits anywhere in a data center rack
- Web browser GUI for setup and maintenance
- Three management ports to connect external sensors and Modbus devices
- Up to 16 sensors per management port with a cable length of up to 40 m
- Auto orientation LCD touch display
- Supports industry standard network protocols (HTTPS, SNMP, SMTP, BACnet, Modbus/TCP)

APPLICATION

The nVent SCHROFF Guardian Management Gateway is an environmental monitoring platform designed to sense, track, store and alarm health and security parameters in an IT data center infrastructure.

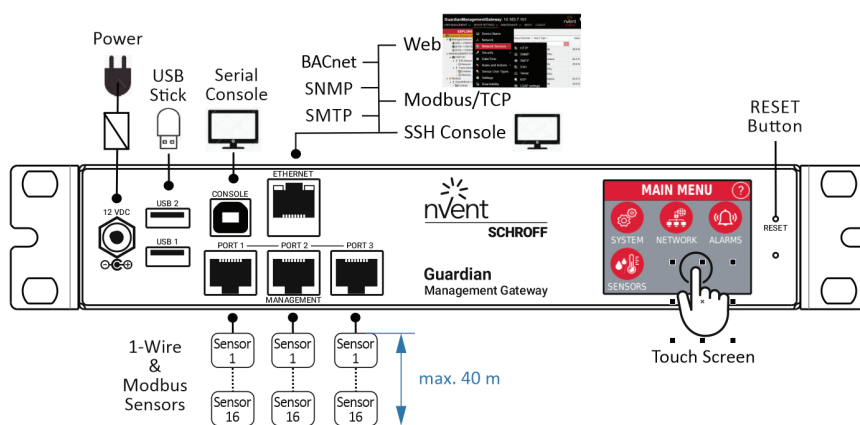
The heart of the platform is a compact control unit with just 1U in height/depth and 250 mm in width, it can be installed as 19" unit or into any available space in a data center rack.

The Management Gateway offers three sensor management ports with each port being able to monitor up to 16 sensor devices with a total cable length of 40 meters per port, allowing a single Management Gateway unit to monitor multiple racks or complete rack aisles.

Besides monitoring physical parameters like temperature, humidity, smoke, door status or water intrusion, the Management Gateway can also monitor nVent SCHROFF RackChiller and In-Row Coolers – with an easy plug and play installation. Set-up of the Management Gateway with security features, sensor configuration, user management, alarm and log management can easily be done through a built-in Web Interface.

Main access to the Management Gateway is through the 1 GBE Network interface, supporting industry standard protocols like SNMP, SMTP, HTTPS, BACnet, Modbus/TCP and HPI.

INTERFACE OVERVIEW

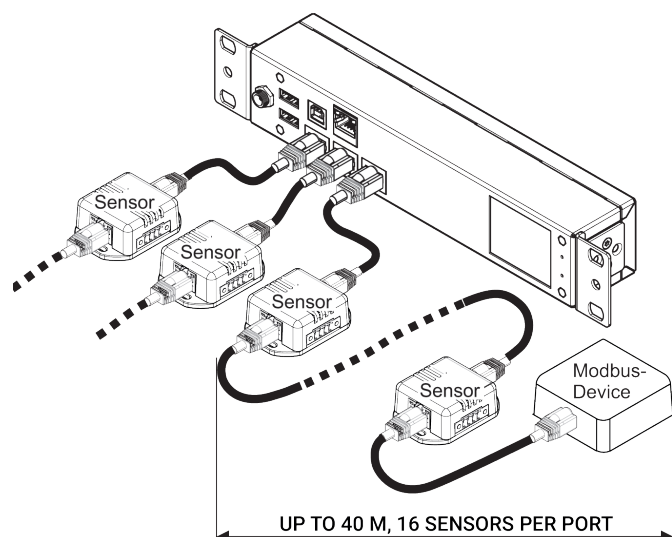


- 1 USB interface (console Type B)
- 3 sensor management ports (RJ45)
- 2 USB interfaces (USB 1 and USB 2)
- 1 GBE network interface (RJ45)
- 1 auto orientation LCD touch display
- 1 Power Barrel Connector 2.1/5.5 mm

SENSOR AND MODBUS DEVICE CONNECTION DIAGRAM

INFORMATION

Order information	Order number
nVent SCHRÖFF Guardian Management Gateway	11079-000
Including: Management Gateway unit, 2 mounting brackets, 1 power supply with IEC320-C14 inlet (12 VDC output, 100 - 240 V AC input), power cable not included	



Technical data

Height/width/depth	1 U/250 mm/1 U
Ambient temperature	5-60 °C
Humidity	5-90 % RH, non condensing
Case material	Aluminum, powder coated
Emissions	EN 61000-6-3 including EN 55032 level B, FCC part 15 pending
Immunity	EN 61000-6-2 (industrial environment)
Safety	EN 62368-1, UL 62368-1 pending

Accessories

Power Cable IEC320-C13 to IEC320-C14, 2.5 m	60197-053
Multi Sensor (Temperature/Humidity/2x Digital Input)	21070-100
Multi Sensor (Temperature/Humidity)	21070-101
Temperature Sensor	21070-102
Digital Sensor 1 (2x Digital Input)	21070-103
19" Mounting Bracket	21079-000

Further information: go.nvent.com/en-guardian-management-gateway

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