



CONNECT AND PROTECT

# Guardian Management System

nvent

SCHROFF

# Cabinet Accessories – Management

## OVERVIEW

### MAIN KATALOG

- Cabinets . . . . . 1
- Wall mounted cases . . . . . 2
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- Subracks/ 19" chassis . . . . . 6
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## GUARDIAN MANAGEMENT GATEWAY

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.

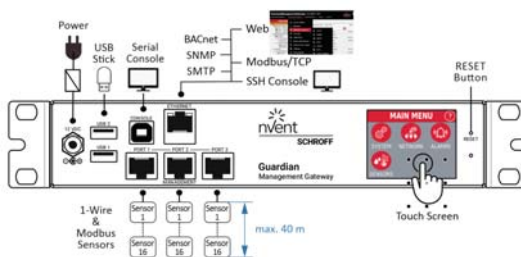
The heart of the platform is a compact control of 1 U in height/depth and 250 mm in width, it can be installed as 19" unit or into any available space in a data center rack.

The Management Gateway offers three sensor management ports with each port being able to monitor up to 16 sensor or 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.

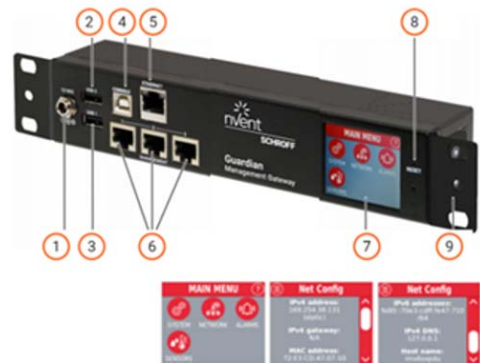
Besides monitoring physical parameters like temperature, humidity, smoke, door status or water intrusion, the Management Gateway can also monitor nVent SCHROFF RackChiller and In- Row Coolers – with an easy plug and play installation.

Set-up of the Management Gateway with security features, sensor configuration, user management, alarm and log management can be easily 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.



Sensor



Guardian Management Gateway interface overview

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## OVERVIEW

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### Guardian Management Gateway

- Data Center environmental monitoring platform
- Compact design, fits anywhere in a data center rack
- Web browser GUI for setup, monitoring and maintenance
- Three management ports to connect external sensors and Modbus devices
- Up to 16 sensors per management port with a total cable length of up to 40 m



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#### Guardian Management Gateway DC

- External 100 V ...240 V<sub>AC</sub> to 12 V<sub>DC</sub> Power supply included in the delivery

Guardian Management

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Guardian Front View AC

#### Guardian Management Gateway AC

- Input Voltage AC: 100 V ...240 V<sub>AC</sub>



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#### Sensors for Guardian Management Gateway

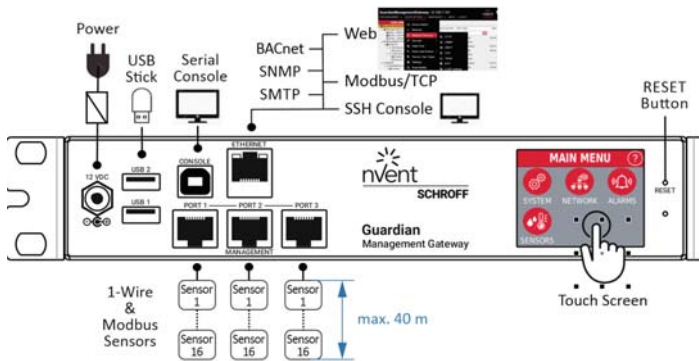
- Temperature Sensor for Guardian Management Gateway
- Temperature, Humidity Sensor for Guardian Management Gateway
- Temperature, Humidity, Digital Contact Sensor for Guardian Management Gateway
- Digital Contact Sensor for Guardian Management Gateway

# Cabinet Accessories – Management

## GUARDIAN MANAGEMENT GATEWAY DC



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Front View

00720050

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

### DELIVERY INCLUDES

Item	Qty	Description
1	1	Guardian Management Gateway unit, Aluminum, powder coated, black; height 45 mm, width 250 mm, depth 45 mm, 3x USB interface; Ethernet RJ 45, 10/100/1000, 3 x Sensor ports RJ 45, LCD display, 12 V <sub>DC</sub> Power Input for external PSU
2	1	Power supply with IEC320-C14 inlet (input 100 ... 240 V <sub>AC</sub> , output 12 V <sub>DC</sub> ), power cable see accessories
3	1	Quick Start Guide
4	1	Torx screw driver

### ORDER INFORMATION

Description	Part no.
Guardian Management Gateway DC	<b>11079-000</b>
<b>Accessories</b>	
Temperature Sensor for Guardian Management Gateway 1 piece	<b>21070-102</b>
Temperature, Humidity Sensor for Guardian Management Gateway 1 piece	<b>21070-101</b>
Temperature, Humidity, Digital Contact Sensor for Guardian Management Gateway 1 piece	<b>21070-100</b>
Digital Contact Sensor for Guardian Management Gateway 1 piece	<b>21070-103</b>
19" Mounting Bracket for Guardian Management Gateway RAL 9005, 1 piece	<b>21079-000</b>
Mains cable, IEC IEC 60320 C14 plug, IEC 60320 C13 socket, 2.5 m, 1 piece	<b>60197-053</b>
Mains cable, BS British Standard plug, IEC 60320 C13 socket, 2.5 m, 1 piece	<b>60103-137</b>
Equipment cable USA USA connector, IEC 60320 female connector, 2 m, 1 piece	<b>60103-141</b>
Mains cable, SCHUKO/UTE SCHUKO/UTE plug, IEC 60320 socket, 2.5 m, 1 piece	<b>62150-191</b>

### TECHNICAL DATA

Type	Base Unit Management Gateway DC
Input voltage	12 V <sub>DC</sub>
Ambient temperature	5 - 60 °C
Display	2" LCD Touch Screen

# Cabinet Accessories – Management

## GUARDIAN MANAGEMENT GATEWAY AC



Guardian Front View AC

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

### DELIVERY INCLUDES

Item	Qty	Description
1	1	Guardian Management Gateway unit, Aluminum, powder coated, black; height 45 mm, width 350 mm, depth 45 mm 3x USB interface; Ethernet RJ 45, 10/100/1000, 3 x Sensor ports RJ 45, LCD display, 100 - 240 V <sub>AC</sub> Power Input
2	1	Quick Start Guide
3	1	Torx screw driver

### ORDER INFORMATION

Description	Part no.
Guardian Management Gateway AC	<b>11079-001</b>
<b>Accessories</b>	
Temperature Sensor for Guardian Management Gateway 1 piece	<b>21070-102</b>
Temperature, Humidity Sensor for Guardian Management Gateway 1 piece	<b>21070-101</b>
Temperature, Humidity, Digital Contact Sensor for Guardian Management Gateway 1 piece	<b>21070-100</b>
Digital Contact Sensor for Guardian Management Gateway 1 piece	<b>21070-103</b>
Mains cable, IEC IEC 60320 C14 plug, IEC 60320 C13 socket, 2.5 m, 1 piece	<b>60197-053</b>
Mains cable, BS British Standard plug, IEC 60320 C13 socket, 2.5 m, 1 piece	<b>60103-137</b>
Equipment cable USA USA connector, IEC 60320 female connector, 2 m, 1 piece	<b>60103-141</b>
Mains cable, SCHUKO/UTE SCHUKO/UTE plug, IEC 60320 socket, 2.5 m, 1 piece	<b>62150-191</b>

### TECHNICAL DATA

Type	Base Unit Management Gateway AC
Input voltage	100-240 V <sub>AC</sub>
Ambient temperature	5 - 60 °C
Display	2" LCD Touch Screen

# Cabinet Accessories – Management

## TEMPERATURE SENSOR FOR GUARDIAN MANAGEMENT GATEWAY



- External sensor for the Guardian Management Gateway
- A port is capable of monitoring up to 16 sensor devices with a total cable length of 40 meters
- If an nVent SCHROFF Guardian sensor is connected, it appears with type and serial number in the web interface
- Plastic housing
- Easy Mounting
- 2 x RJ 45 connection
- Easy daisy chain with CAT6 patch cable (or higher shielding)



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### ORDER INFORMATION

Description	Part no.
Temperature Sensor for Guardian Management Gateway	<b>21070-102</b>

### NOTE

- External sensor monitoring temperature with 2 RJ45 connectors. Up to 16 sensors can be daisy chained over patch cables and connected to one Guardian Management Port.

## TEMPERATURE, HUMIDITY, DIGITAL CONTACT SENSOR FOR GUARDIAN MANAGEMENT GATEWAY



- External sensor for the Guardian Management Gateway
- A port is capable of monitoring up to 16 sensor devices with a total cable length of 40 meters
- Plastic housing
- Plastic housing
- Easy Mounting
- 2 x RJ 45 connection
- Easy daisy chain with CAT6 patch cable (or higher shielding)



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### ORDER INFORMATION

Description	Part no.
Temperature, Humidity, Digital Contact Sensor for Guardian Management Gateway	<b>21070-100</b>

### NOTE

- External sensor monitoring temperature, humidity and digital inputs with 2 RJ45 connectors. Up to 16 sensors can be daisy chained over patch cables and connected to one Guardian Management Port.

# Cabinet Accessories – Management

## TEMPERATURE, HUMIDITY SENSOR FOR GUARDIAN MANAGEMENT GATEWAY



- External sensor for the Guardian Management Gateway
- A port is capable of monitoring up to 16 sensor devices with a total cable length of 40 meters
- If an nVent SCHROFF Guardian sensor is connected, it appears with type and serial number in the web interface
- Plastic housing
- Easy Mounting
- 2 x RJ 45 connection
- Easy daisy chain with CAT6 patch cable (or higher shielding)



00720003

### ORDER INFORMATION

Description	Part no.
Temperature, Humidity Sensor for Guardian Management Gateway	<b>21070-101</b>

### NOTE

- External sensor monitoring temperature and humidity with 2 RJ45 connectors. Up to 16 sensors can be daisy chained over patch cables and connected to one Guardian Management Port.

## DIGITAL CONTACT SENSOR FOR GUARDIAN MANAGEMENT GATEWAY



- External sensor for the Guardian Management Gateway
- A port is capable of monitoring up to 16 sensor devices with a total cable length of 40 meters
- Plastic housing
- Plastic housing
- Easy Mounting
- 2 x RJ 45 connection
- Easy daisy chain with CAT6 patch cable (or higher shielding)



00720003

### ORDER INFORMATION

Description	Part no.
Digital Contact Sensor for Guardian Management Gateway	<b>21070-103</b>

### NOTE

- External sensor monitoring digital inputs with 2 RJ45 connectors. Up to 16 sensors can be daisy chained over patch cables and connected to one Guardian Management Port.

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