INDUSTRIAL HATTELAND®

NETWORK SWITCHES

HN GP9084-LA
HN G9084-LA
HN GP1080A
HN G1080A
HN G9812

HATTELAND TECHNOLOGY
an EMBRON Company

NETWORK SWITCHES

High Quality Reliable Ethernet Switches

The new HATTELAND® range of Network Switches can be used in connecting several Ethernet devices like Ethernet I/O, IP-Camera or other Ethernet switches.

- Slim type
- Industrial managed* or unmanaged*
- Redundant Power Input
- Rigid IP-30 housing design
- DIN-Rail & wall mounting enabled
- Web-based
- SNMP v1/v2c/v3
- Telnet
- Console (CLI)
- Open-Vision Config
- Active PoE & P.S.E. enabled*
- Power Supply and Transceiver Module accessories available

* = selected models only


HATTELAND
Console
PWR1
PWR
PWR2
Fault
Ring
R.M
G12
G11
8
7
6
5
4
3
2
1
PoE
100/1000X
G10
G09
Reset
LNK/ACK
G08
G07
G06
G05
G04
G03
G02
G01
10/100/1000T
Speed
HN GP9084-LA
HATTELAND
HN G1080A
P1
P2
Fault
HATTELAND
P1
P2
Fault

SPECIFICATIONS

Description:	Industrial 8-port slim type unmanaged Gigabit Ethernet switch
Features:	Support auto-negotiation and auto-MDI/MDI-X, Jumbo Frame up to 9 K Bytes, Relay output to carry capacity of 1A at 24 VDC, store and forward transmission, flow control, Hardware DIP-switch to enable/disable power failure warning function, Rigid IP-30 housing design, DIN-Rail and wall mounting enabled
Physical Ports:	8 x 10/100/1000Base-T(X) Ports in RJ45, Auto MDI/MDIX
Ethernet Standards:	IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-TX, IEEE 802.3ab for 1000Base-T, IEEE 802.3x for Flow control. MAC Table: 4096 MAC addresses. Processing: Store-and-Forward
DIP-Switch:	DIP-Switch 1: Power-1 failed warning : (ON) enable, (OFF) disable DIP-Switch 2: Power-2 failed warning : (ON) enable, (OFF) disable
LED Indicators:	Power indicator Green: Power LED x 2, Fault indicator Amber: Indicate PWR1 or PWR2 failure, 10/100/1000Base-T(X) RJ45 port indicator Left LED for Link/Act indicator: Green for 1Gbps connection, Amber for 10/100Mbps connection, Right Amber LED for Full/Half-Duplex indicator.
Fault Contact:	Relay output to carry capacity of 1A at 24VDC
Power:	Redundant Input power: Dual DC inputs. 12 ~ 48VDC on 6-pin T.Block Power consumption (Typ.): 5.5 Watts. Overload current protection: Present. Reverse polarity protection: Present
Physical:	Enclosure: IP-30. Weight: 390g Dimension (W x D x H): 26.1 (W) x 94.9 (D) x 144.3(H) mm (1.03 x 3.74 x 5.68")
Environmental:	Storage Temperature: -40 to +85°C (-40 to +185°F) Operating Temperature: -40 to +70°C (-40 to +158°F) Operating Humidity: 5% to 95% Non-condensing
Testing & Type Approvals:	Hatteland Technology standard (tested / type approved by the following classification societies): IEC 60945 4th (EN 60945:2002), IACS E10, EU RO MR - Mutual Recognition (pending)
Regulatory approvals:	EMC: CE EMC (EN55024,EN 55032), FCC Part 15 B EMI: EN55032, CISPR 32, EN61000-3-2, EN61000-3-3, FCC Part 15 B class A EMS: EN55024 (IEC/EN 61000-4-2 (ESD), IEC/EN 61000-4-3 (RS), IEC/EN 61000-4-4 (EFT), IEC/EN61000-4-5 (Surge), IEC/EN 61000-4-6 (CS), IEC/EN 61000-4-8 (PFMF), IEC/EN 61000-4-11 (DIP)) Shock: IEC60068-2-27, Free Fall: IEC60068-2-31 Vibration: IEC60068-2-6, Safety: EN60950-1 compliant
MTBF / Warranty:	875918.4026 hrs / 5 years
Contents of Package:	1 x HN G1080A, 1 x Quick Installation Guide, 1 x Din-Rail Kit, 1 x Wall-Mount Kit

HN G1080A

SPECIFICATIONS

Description:	Industrial 8-port slim type unmanaged Gigabit Active PoE Ethernet switch
Features:	Provide 8x10/100/1000Base-T(X) Active PoE (P.S.E.) ports, P.S.E. based on IEEE 802.3at standard up to 30 Watts per port, jumbo frame up to 9KBytes, auto-negotiation and auto-MDI/MDI-X, full/half-duplex transmission, store and forward transmission, flow control, Rigid IP-30 housing design, DIN-Rail and wall mounting enabled
Physical Ports:	8 x 10/100/1000Base-T(X) Ports in RJ45 With P.S.E.
Ethernet Standards:	IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-TX, IEEE 802.3ab for 1000Base-T, IEEE 802.3x for Flow control, IEEE 802.3at PoE specification (up to 30 Watts per port for P.S.E.). Switching Bandwidth: 16Gbps. MAC Table: 4K MAC addresses. Processing: Store-and-Forward. Jumbo Frame: Up to 9KBytes
DIP-Switch:	DIP-Switch 1: Power-1 failed warning : (ON) enable, (OFF) disable DIP-Switch 2: Power-2 failed warning : (ON) enable, (OFF) disable
LED Indicators:	Power indicator Green: Power LED x 2, Fault indicator Amber: Indicate PWR1 or PWR2 failure, 10/100/1000Base-T(X) RJ45 port indicator and PoE indicator Green for port Link/Act at 1000Mbps / Amber for port Link/Act at 10/100Mbps, Green for PoE power injected.
Fault Contact:	Relay output to carry capacity of 1A at 24VDC
Power:	Redundant Input power: Dual DC inputs. 48 ~ 57VDC on 6-pin T. Block PoE output power: 180 Watts. Power consumption (Typ.): 6 Watts (PoE output not included). Overload current protection: Present. Reverse polarity protection: Present
Physical:	Enclosure: IP-30. Weight: 442 g Dimension (W x D x H): 26.1 (W) x 94.9 (D) x 144.3(H) mm (1.03 x 3.74 x 5.68”)
Environmental:	Storage Temperature: -40 to +85°C (-40 to +185°F) Operating Temperature: -40 to +70°C (-40 to +158°F) Operating Humidity: 5% to 95% Non-condensing
Testing & Type Approvals:	Hatteland Technology standard (tested / type approved by the following classification societies): IEC 60945 4th (EN 60945:2002), IACS E10, EU RO MR - Mutual Recognition (pending)
Regulatory approvals:	EMC: CE EMC (EN55024,EN 55032), FCC Part 15 B EMI: EN55032, CISPR 32, EN61000-3-2, EN61000-3-3, FCC Part 15 B class A EMS: EN55024 (IEC/EN 61000-4-2 (ESD), IEC/EN 61000-4-3 (RS), IEC/EN 61000-4-4 (EFT), IEC/EN61000-4-5 (Surge), IEC/EN 61000-4-6 (CS), IEC/EN 61000-4-8 (PFMF), IEC/EN 61000-4-11 (DIP)) Shock: IEC60068-2-27, Free Fall: IEC60068-2-31 Vibration: IEC60068-2-6, Safety: EN60950-1 compliant
MTBF / Warranty:	665276 hrs / 5 years
Contents of Package:	1 x HN GP1080A, 1 x Quick Installation Guide, 1 x Din-Rail Kit, 1 x Wall-Mount Kit

HN GP1080A

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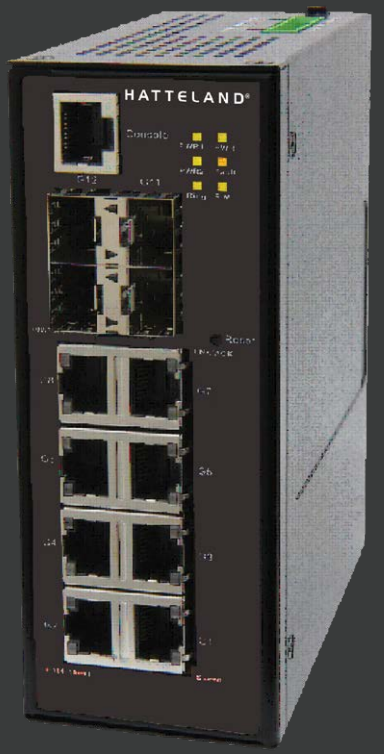
SPECIFICATIONS

Description:	Industrial 12-port slim type managed Gigabit Ethernet switch
Features: * This function is available by request only	Supports recovery time<30ms and MSTP(RSTP/STP compatible) for Ethernet Redundancy, Allows multiple redundant network rings, Supports standard IEC 62439-2 MRP (Media Redundancy Protocol)*, Supports IPV6 new internet protocol version, Supports Modbus TCP protocol, Supports IEEE 802.3az Energy-Efficient Ethernet technology, Provided HTTPS/SSH protocol to enhance network security, Supports SMTP client and NTP server protocol, Supports IP-based bandwidth management, Supports application-based QoS management, Supports Device Binding security function, Supports DOS/DDOS auto prevention, IGMP v2/v3 (IGMP snooping support) for filtering multicast traffic.
Physical Ports:	8 x 10/100/1000Base-T(X) with P.S.E. Ports in RJ45 Auto MDI/MDIX 4 x 100/1000Base-X with SFP port
Ethernet Standards:	IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-TX and 100Base-FX, IEEE 802.3ab for 1000Base-T, IEEE 802.3z for 1000Base-X, IEEE 802.3x for Flow control,IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1s for MSTP (Multiple Spanning Tree Protocol) ,IEEE 802.1x for Authentication, IEEE 802.1AB for LLDP (Link Layer Discovery Protocol), MAC Table: 8192 MAC addresses, Priority Queues: 8, Processing: Store-and-Forward, Share Data Buffer: 4Mbit, Switch Properties: Switching latency: 7 us, Switching bandwidth: 24Gbps, Throughput (packet per second): 17.856Mpps@64Bytes packet, Max. Number of Available VLANs: 4096, VLAN ID Range: VID 0 to 4095, IGMP multicast groups: 256 for each VLAN, Port rate limiting: User Define, Jumbo frame: Up to 9.6k bytes, Security Features: Device Binding security feature, Enable/disable ports, MAC based port security, Port based network access control (802.1x), VLAN (802.1Q) to segregate and secure network traffic, Radius centralized password management, SNMPv3 encrypted authentication and access security, Https / SSH enhance network security, Software Features: STP/RSTP/MSTP (IEEE 802.1D/w/s), Redundant Ring (O-Ring) with recovery time less than 20ms over 250 units, TOS/DiffServ supported, Quality of Service (802.1p) for real-time traffic, VLAN (802.1Q) with VLAN tagging, IGMP Snooping, IP-based bandwidth, management, Application-based QoS management, DOS/DDOS auto prevention, Port configuration, status, statistics, monitoring, security, DHCP Server/Client/Relay, SMTP Client, Modbus TCP, Ethernet/IP™, NTP server, Network Redundancy: O-Ring, Open-Ring, O-Chain, MRP*NOTE, MSTP (RSTP/STP compatible), RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable. 115200bps, 8, N, 1
DIP-Switch:	None
LED Indicators:	Power Indicator (PWR): Green: Power LED x 3. Ring Master Indicator (R.M.): Green: Indicates that the system is operating in O-Ring Master mode. Ring Indicator (Ring): Green: Indicates that the system operating in O-Ring mode, Green Blinking: Indicates that the Ring is broken. Fault Indicator (Fault): Amber: Indicate unexpected event occurred. 10/100/1000Base-T(X) RJ45 Port Indicator: Green for Port LINK/ ACT indicator, Dual color LED for speed indicator: Green for 1000Mbps / Amber for 100Mbps / off-light for 10Mbps. 100/1000Base-X SFP Port Indicator: Green for port Link/Act
Fault Contact:	Relay output to carry capacity of 1A at 24VDC
Reset Function:	< 5 sec: System reboot, > 5 sec: Factory default
Power:	Redundant Input power: Dual DC inputs. 12 ~ 48VDC on 6-pin terminal block Power consumption (Typ.): 13 Watts. Overload current protection: Present. Reverse Polarity Protection: Present. Hi-POT: 1.5KV AC
Physical:	Enclosure: IP-30. Weight: 779g Dimensions (W x D x H): 54.3 (W) x 108.3 (D) x 145.1 (H) mm (2.13 x 4.26 x 5.71 inch)
Environmental:	Storage Temperature: -40 to 85°C (-40 to +185°F) Operating Temperature: -40 to 75°C (-40 to +167°F) Operating Humidity: 5% to 95% Non-condensing
Testing & Type Approvals:	Hatteland Technology standard (tested / type approved by the following classification societies): IEC 60945 4th (EN 60945:2002), IACS E10, EU RO MR - Mutual Recognition (pending)
Regulatory approvals:	EMC: CE EMC (EN 55024, EN 55032), FCC Part 15 B EMI: EN 55032, CISPR32, EN 61000-3-2, EN 61000-3-3, FCC Part 15 B class A EMS: EN 55024 (IEC/EN 61000-4-2 (ESD: Contact 8KV, Air 10KV), IEC/EN 61000-4-3 (RS),IEC/EN 61000-4-4 (EFT Power 2KV, Single 2KV), IEC/EN 61000-4-5 (Surge: Power 4KV, RJ45 4KV), IEC/EN 61000-4-6 (CS), IEC/EN 61000-4-8(PFMF), IEC/EN 61000-4-11 (DIP)) Shock: IEC60068-2-27. Free Fall: IEC60068-2-31. Vibration: IEC60068-2-6. Safety: EN60950-1 compliant
MTBF / Warranty:	551378 hours / 5 years
Contents of Package:	1 x HN G9084-LA, 1 x Quick Installation Guide, 1 x Din-Rail Kit, 2 x Wall-Mount Kit, 1 x Tool Software CD, 1 x Console Cable



HN G9084-LA

SPECIFICATIONS

Description:	Industrial 12-port slim type layer2 managed Gigabit Active PoE Ethernet switch
Features:	Support standard IEC 62439-2 MRP function, 8 port P.S.E. fully compliant with IEEE802.3at standard, provide up to 30 Watts per port, PoE on/off scheduled configuration, IPV6 new internet protocol version, EtherNet/IP™ and Modbus TCP protocol, IEEE 802.3az Energy-Efficient Ethernet technology, Provided HTTPS/SSH protocol to enhance network security, DOS/DDOS auto prevention, auto-negotiation and auto-MDI/MDIX, SNMP v1/v2c/v3 & RMON & 802.1Q VLAN Network Management, Syslog/SNMP Trap notification for warning of unexpected event, Web-based ,SNMP v1/v2c/v3, Telnet, Console (CLI), and Windows utility (Open-Vision) configuration, Robust EMS design, provide 8K ESD and 4KV Surge protection, Rigid IP-30 housing design, DIN-Rail and wall mounting enabled
Physical Ports:	8 x 10/100/1000Base-T(X) with P.S.E. Ports in RJ45 Auto MDI/MDIX 4 x 100/1000Base-X with SFP port, generic version
Ethernet Standards:	IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-TX and 100Base-FX, IEEE 802.3ab for 1000Base-T, IEEE 802.3z for 1000Base-X, IEEE 802.3x for Flow control, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1D for STP (Spanning Tree Protocol), IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1s for MSTP (Multiple Spanning Tree Protocol), IEEE 802.1x for Authentication, IEEE 802.1AB for LLDP (Link Layer Discovery Protocol), IEEE 802.3at PoE specification (up to 30 Watts per port for P.S.E.)
DIP-Switch:	None
LED Indicators:	Power Indicator (PWR) Green: Power LED x 3, Ring Master Indicator (R.M.) Green: Indicates that the system is operating in O-Ring Master mode, O-Ring Indicator (Ring) Green: Indicates that the system operating in O-Ring mode, Green Blinking: Indicates that the Ring is broken, Fault Indicator (Fault) Amber: Indicate unexpected event occurred, 10/100/1000Base-T(X) RJ45 Port Indicator Green for Port LINK/ACT indicator, Dual color LED for speed indicator: Green for 1000Mbps / Amber for 100Mbps / off-light for 10Mbps, 100/1000Base-X SFP Port Indicator Green for port Link/Act, PoE. Indicator Green: PoE enabled LED x 8.
Fault Contact:	Relay output to carry capacity of 1A at 24VDC
Power:	Redundant Input power: 48 ~ 57VDC on 6-pin T. Block Power consumption (Typ.): 13.2 Watts. PoE Power Budget: 240W max, 30W/per port. Overload current protection: Present. Reverse Polarity Protection: Present. Hi-POT: 1.5KV AC.
Physical:	Enclosure: IP-30. Weight: 779g Dimension (W x D x H): 54.3 (W) x 108.3 (D) x 145.1 (H) mm (2.13 x 4.26 x 5.71")
Environmental:	Storage Temperature: -40 to +85°C (-40 to +185°F) Operating Temperature: -40 to +75°C (-40 to +167°F) Operating Humidity: 5% to 95% Non-condensing
Testing & Type Approvals:	Hatteland Technology standard (tested / type approved by the following classification societies): IEC 60945 4th (EN 60945:2002), IACS E10, EU RO MR - Mutual Recognition (pending)
Regulatory approvals:	EMC: CE EMC (EN 55024, EN 55032), FCC Part 15 B EMI: EN 55032, CISPR32, EN 61000-3-2, EN 61000-3-3, FCC Part 15 B class A EMS: EN 55024 (IEC/EN 61000-4-2 (ESD: Contact 8KV, Air 10KV), IEC/EN 61000-4-3 (RS), IEC/EN 61000-4-4 (EFT Power 2KV, Single 2KV), IEC/EN 61000-4-5 (Surge: Power 4KV, RJ45 4KV), IEC/EN 61000-4-6 (CS), IEC/EN 61000-4-8(PFMF), IEC/EN 61000-4-11 (DIP)) Shock: IEC60068-2-27, Free Fall: IEC60068-2-31 Vibration: IEC60068-2-6, Safety: EN60950-1
MTBF / Warranty:	516416hrs / 5 years
Contents of Package:	1 x HN GP9084-LA, 1 x Quick Installation Guide, 1 x Din-Rail Kit, 1 x Wall-Mount Kit, 1 x Tool Software CD, 1 x Console Cable

HN GP9084-LA

SPECIFICATIONS

Description:	Industrial 20-port managed Gigabit Ethernet switch
Features: * This function is available by request only	Supports recovery time<30ms and MSTP(RSTP/STP compatible) for Ethernet Redundancy, Allows multiple redundant network rings, Standard IEC 62439-2 MRP (Media Redundancy Protocol)*, IEEE 1588v2 clock Synchronization, IPV6 new internet protocol version, Modbus TCP protocol, Provided HTTPS/SSH protocol to enhance network security, IEEE 802.3az Energy-Efficient Ethernet technology, SMTP client and NTP server protocol, application-based QoS management, Device Binding security function, ACL and 802.1x User Authentication for security, Jumbo Frame up to 9.6k bytes, Multiple notification for warning of unexpected event, DBU-01 backup unit device to quickly backup/restore configuration, Web-based, Telnet, Console (CLI), and Windows utility (Open-Vision) configuration, LLDP Protocol, Rigid IP-30 housing design, DIN-Rail and wall mounting enabled, DOS/DDOS auto prevention, IGMP v2/v3 (IGMP snooping support) for filtering multicast traffic, SNMP v1/v2c/v3 & RMON & 802.1Q VLAN Network Management
Physical Ports:	8 x 10/100/1000Base-T(X) Ports in RJ45 Auto MDI/MDIX 12 x 100/1000Base-X with SFP port, generic version
Ethernet Standards:	IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-TX and 100Base-FX, IEEE 802.3ab for 1000Base-T, IEEE 802.z for 1000Base-X, IEEE 802.3x for Flow control, IEEE 802.3ad for LACP (Link Aggregation Control Protocol), IEEE 802.1p for COS (Class of Service), IEEE 802.1Q for VLAN Tagging, IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol), IEEE 802.1s for MSTP (Multiple Spanning Tree Protocol), IEEE 802.1x for Authentication, IEEE 802.1AB for LLDP (Link Layer Discovery Protocol), MAC Table: 8192 MAC addresses, Priority Queues: 8., Processing: Store-and-Forward, Share Data Buffer: 4Mbit, Switch Properties: Switching latency: 7 us, Switching bandwidth: 40Gbps, Max. Number of Available VLANs: 4095, VLAN ID Range: VID 1 to 4094, IGMP multicast groups: 128 for each VLAN, Port rate limiting: User Define, Jumbo frame: Up to 9.6k bytes, Security Features: Device Binding security feature, Enable / disable ports, MAC based port security, Port based network access control (802.1x), MAC-based authentication (802.1x), VLAN (802.1Q) to segregate and secure network traffic, SNMPv3 encrypted authentication and access security, Https / SSH enhance network security, Web and CLI authentication and authorization, IP source guard, Software Features: STP/RSTP/MSTP (IEEE 802.1D/w/s), Redundant Ring (O-Ring) with recovery time less than 30ms, TOS/DiffServ supported, Quality of Service (802.1p) for real-time traffic, VLAN (802.1Q) with VLAN tagging, IGMP Snooping, Application-based QoS management, DOS/DDOS auto prevention, Port configuration, status, statistics, monitoring, security, DHCP Server/Client/Relay, SMTP Client, Modbus TCP, NTP server, Network Redundancy: O-Ring, O-Chain, MRP*, MSTP (RSTP/STP compatible) (*This function is available by request only), RS-232 Serial Console Port: RS-232 in RJ45 connector with console cable. 115200bps, 8, N, 1
DIP-Switch:	None
LED Indicators:	Power Indicator (PWR): Green: Power LED x 2. Ring Master Indicator (R.M.): Green: Indicates that the system is operating in O-Ring Master mode. O-Ring Indicator (Ring): Green: Indicates that the system operating in O-Ring mode, Green Blinking: Indicates that the Ring is broken. Fault Indicator (Fault): Amber: Indicate unexpected event occurred. 10/100/1000Base-T(X) RJ45 Port Indicator: Green for Port LINK/ ACT indicator, Dual color LED for speed indicator: Green for 1000Mbps / Amber for 100Mbps / off-light for 10Mbps. 100/1000Base-X SFP Port Indicator: Green for port Link/Act.
Fault Contact:	Relay output to carry capacity of 1A at 24VDC
Reset Function:	< 5 sec: System reboot, > 5 sec: Factory default
Power:	Redundant Input power: Dual DC inputs. 12 ~ 48VDC on 6-pin terminal block Power consumption (Typ.): 10 Watts. Overload current protection: Present. Reverse Polarity Protection: Present
Physical:	Enclosure: IP-30. Weight: 1210g - Dimensions (W x D x H): 96.4 (W) x 105.5 (D) x 154 (H) mm (3.8 x 4.15 x 6.06 inch)
Environmental:	Storage Temperature: -40 to 85°C (-40 to +185°F). Operating Temperature: -40 to 75°C (-40 to +167°F) Operating Humidity: 5% to 95% Non-condensing
Testing & Type Approvals:	Hatteland Technology standard (tested / type approved by the following classification societies): IEC 60945 4th (EN 60945:2002), IACS E10, EU RO MR - Mutual Recognition (pending)
Regulatory approvals:	EMC: CE EMC (EN 55024, EN 55032), FCC Part 15 B, EN 50155(EN 50121-3-2), EN 50121-4, AS/NZS CISPR 22, EN 61000-6-2 & EN 61000-6-4 EMI: EN 550232, CISPR32, EN 61000-3-2, EN 61000-3-3, FCC Part 15B class A EMS: EN 55024 (IEC/EN 61000-4-2 (ESD), IEC/EN 61000-4-3 (RS), IEC/EN61000-4-4 (EFT), IEC/EN 61000-4-5 (Surge), IEC/EN 61000-4-6 (CS), IEC/EN 61000-4-8(PFMF), IEC/EN 61000-4-11(DIP)) Shock: IEC 60068-2-27. Free Fall: IEC 60068-2-31. Vibration: IEC 60068-2-6. Safety: EN60950-1. Other: EN50155, IEC/EN 60945
MTBF / Warranty:	670184 hours / 5 years
Contents of Package:	1 x HN G9812, 1 x Quick Installation Guide, 1 x Din-Rail Kit, 2 x Wall-Mount Kit, 1 x Tool Software CD, 1 x Console Cable

HN G9812

ACCESSORIES

Ordering Art	Description	Picture	Applicable for
SDR-120-24	1 x Power supply 24 VDC, 5A, 6-pin Terminal Block 5.08, Type Approved: DNV-GL		All models
SDR-120-48	1 x Power supply 48 VDC, 2.5A, 6-pin Terminal Block 5.08, Type Approved: DNV-GL		
SDR-240-24	1 x Power supply 24 VDC, 10A, 6-pin Terminal Block 5.08, Type Approved: DNV-GL		
SDR-240-48	1 x Power supply 48 VDC, 5A, 6-pin Terminal Block 5.08, Type Approved: DNV-GL		
SDR-480-24	1 x Power supply 24 VDC, 20A, 6-pin Terminal Block 5.08, Type Approved: DNV-GL		
SDR-480-48	1 x Power supply 48 VDC, 10A, 6-pin Terminal Block 5.08, Type Approved: DNV-GL		
HN SFP1G-LX10	1 x 1Gbps SFP optical transceiver, single-mode / 10km, 1310nm, -40 ~ +75°C		HN G9084-LA HN GP9084-LA HN G9812
HN SFP1G-SX	1 x 1Gbps SFP optical transceiver, multi-mode / 550m, 850nm, -40 ~ +75°C		
HN SFP1G-RJ	1 x 1Gbps SFP to 1000 Base-T transceiver, -40 ~ +75°C		HN G9084-LA HN GP9084-LA HN G9812

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