

# DATA SHEET

Manufacturer: Hatteland Technology AS  
 Product: Industrial Ethernet Switch  
 Type: HN G1080A

**i** Dimensions might be shown with or without decimals and indicated as mm [inches]. Tolerance on drawings is +/- 1mm. For accurate measurements, check relevant DWG file.

## HN G1080A - Industrial Ethernet Switch

The HATTELAND® industrial range of high quality reliable Network Switches can be used in connecting several Ethernet devices like Ethernet I/O, IP-Camera or other Ethernet switches. The HN G1080A is slim type unmanaged Gigabit Ethernet switch with 8 x 10/100/1000Base-T(X) ports.



IP 30

Protection against Tools, thick wires, etc.



Gigabit Ethernet switch



5 Years Warranty

## Technology

- Switching Bandwidth: 16Gbps
- MAC Table: 4096 MAC addresses
- Processing: Store-and-Forward
- Jumbo Frame: Up to 9k bytes
- Ethernet Standards:
  - IEEE 802.3 for 10Base-T
  - IEEE 802.3u for 100Base-TX
  - IEEE 802.3x for Flow control

## Power Specifications

- Redundant Input power: Dual DC inputs. 24 - 57VDC on 6-pin terminal block.
- Power consumption (Typ.): 5.5 Watts
- Overload current protection: Present
- Reverse polarity protection: Present

## Physical Characteristics

- Enclosure: IP30
- Dimensions: W:26.10 [1.03"] x H:144.30 [5.68"] x D:94.90 [3.74"] mm [inch]
- Weight: 395g

## Physical Ports and Controls

- DIP - Switch
- LED Indicators
- 8 x 10/100/1000Base-T(X) Ports in RJ45 Auto MDI/MDIX
- Relay output to carry capacity of 1A at 24VDC

## Additional Specifications

- MTBF 875918 hours
- Warranty 5 years

## Available Accessories

- SDR-120-24 1 x Power supply 24 VDC, 5A, 6-pin Terminal Block 5.08, Type Approved<sup>[2]</sup>: DNV
- SDR-120-48 1 x Power supply 48 VDC, 2.5A, 6-pin Terminal Block 5.08, Type Approved<sup>[2]</sup>: DNV
- SDR-240-24 1 x Power supply 24 VDC, 10A, 6-pin Terminal Block 5.08, <sup>[2]</sup>
- SDR-240-48 1 x Power supply 48 VDC, 5A, 6-pin Terminal Block 5.08, <sup>[2]</sup>
- SDR-480-24 1 x Power supply 24 VDC, 20A, 6-pin Terminal Block 5.08, Type Approved<sup>[2]</sup>: DNV
- SDR-480-48 1 x Power supply 48 VDC, 10A, 6-pin Terminal Block 5.08, Type Approved<sup>[2]</sup>: DNV

<sup>[2]</sup>Note: CCS - China Classification Society: Network switches and related power supplies are not required to be Type Approved.

## Contents of Package

- 1 X HN G1080A
- 1 X Wall-mounted kit (for Slim Type) :2 X Wall-Mount Plate  
:6 X screw
- 1 X 6-Pin Terminal block
- 8 X Dust Cover
- 1 X Quick Installation Guide
- 1 X DIN-Rail kit / Factory Mounted

**i** All specifications are subject to change without prior notice! Please visit [www.hattelandtechnology.com](http://www.hattelandtechnology.com) for the latest electronic version.

## Maritime:

### - Environment Specification

- Storage Temperature: -40 to 85°C (-40 to 185°F)
- Operating Temperature: -15 to +55°C (5 to 131°F)
- Operating Humidity: 5% to 95% Non-condensing
- Air Pressure Maximum Altitude: Operating: 4000m - Storage: 12912m
- Compass Safe Distance: Standard: 30cm - Steering: 15cm

### - Regulatory approvals

- EMC: CE EMC (EN55024, EN 55032)
- EMI: EN55032
- 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
- Vibration: IEC60068-2-6
- Safety: EN62368-1 compliant

### - Type Approvals

These products have been tested / type approved by the following classification societies:  
**IEC 60945 4th** (EN 60945:2002), **IACS E10**  
**DNV** - Det Norske Veritas, **KR** - Korean Register of Shipping  
**ClassNK** - Nippon Kaiji Kyokai, **BV** - Bureau Veritas  
**CCS** - China Classification Society, **LRS** - Lloyd's Register of Shipping

## Industrial:

### - Environment Specification

- 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

### - 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: EN62368-1 compliant

 All specifications are subject to change without prior notice! Please visit [www.hattelandtechnology.com](http://www.hattelandtechnology.com) for the latest electronic version.

**i** Dimensions might be shown with or without decimals and indicated as mm [inches]. Tolerance on drawings is +/- 1mm. For accurate measurements, check relevant DWG file.

