DATASHEET

HATTELAND TECHNOLOGY
an EMBRON Company

Product:	**Industrial Ethernet Switch**
Description:	8-port slim type unmanaged Gigabit
Typenumber:	**HN G1080A**

Last Revised:	**04 Oct 2021**
Revision#:	**06**

Industrial Ethernet Switch

Description:

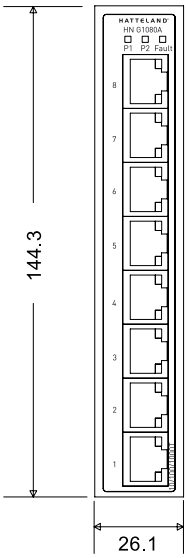
The HATTELAND® industrial range of high quality reliable Network Switches can be used in connecting several Ethernet devices like Ethernet I/O, IP-Camera or other Ethernet switches. The HN G1080A is slim type unmanaged Gigabit Ethernet switch with 8 x 10/100/1000Base-T(X) ports.

The HN G1080A supports redundant power input, rigid IP-30 housing, plus DIP switches for enabling or disabling relay output alarm. In addition, the wide operating temperature range from -40°C to +70°C can satisfy most of operating environment.

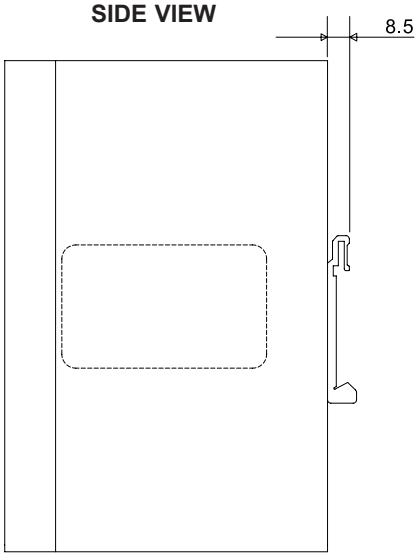
Features:

- Provide 8x10/100/1000Base-T(X) ports
- Supports auto-negotiation and auto-MDI/MDI-X
- Supports Jumbo Frame up to 9k bytes
- Relay output to carry capacity of 1A at 24 VDC
- Supports Store-and-Forward transmission
- Supports flow control
- Hardware DIP-switch to enable/disable power failure warning function
- Rigid IP-30 housing design
- DIN-Rail and wall mounting enabled

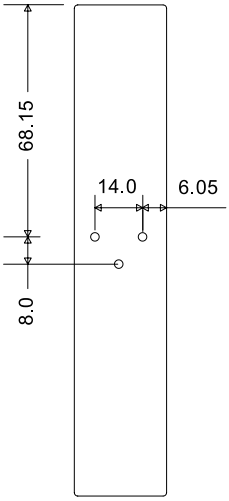
FRONT VIEW



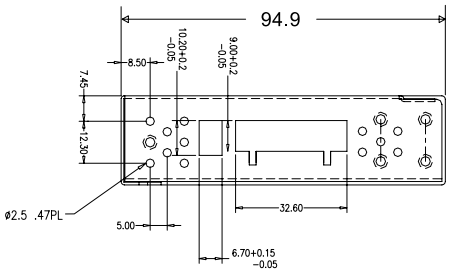
SIDE VIEW



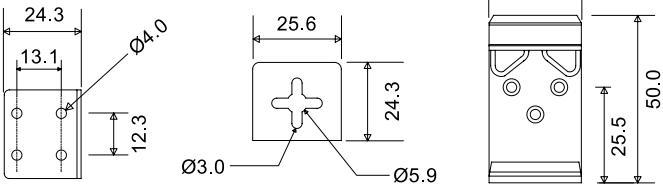
BACK VIEW



TOP VIEW



WALL MOUNT KIT DETAILS



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.

Specifications:

• Physical Ports	- 8 x 10/100/1000Base-T(X) Ports in RJ45 Auto MDI/MDIX
• Technology	- 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 - Jumbo Frame up to 9k bytes - Store-and-Forward transmission
• 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
• DIP-Switch	- DIP-Switch 1: Power-1 failed warning (ON) enable, (OFF) disable - DIP-Switch 2: Power-2 failed warning (ON) enable, (OFF) disable
• Fault Contact	- Relay output to carry capacity of 1A at 24VDC
• Power Specifications	- Redundant Input power: Dual DC inputs. 12 ~ 48VDC on 6-pin terminal block. - Power consumption (Typ.): 5.5 Watts - Overload current protection: Present - Reverse polarity protection: Present
• Physical Characteristics	- Enclosure: IP-30 - Dimensions: W:26.10 [1.03"] x H:144.30 [5.68"] x D:94.90 [3.74"] mm [inch] - Weight: 390g
• 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
• 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
• Type Approvals	- Hatteland Technology standard (tested / type approved by the following classification societies): **IEC 60945 4th** (EN 60945:2002), **IACS E10**, **DNV** - Det Norske Veritas
• MTBF	- 875918 hours
• Warranty	- 5 years

Contents of Package:

- 1 x HN G1080A
- 1 x Quick Installation Guide
- 1 x Din-Rail Kit
- 1 x Wall-Mount Kit

Available Accessories:

• SDR-120-24	: 1 x Power supply 24 VDC, 5A, 6-pin Terminal Block 5.08, Type Approved: DNV-GL
• 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