

# NETWORK SWITCH

Combining state of the art technology with over 30 years of industry-specific experience and expertise, the new range of HATTELAND® Network Switches provides dependability and connectivity in challenging maritime environments.

Our reliable, high-quality Ethernet switches are tested and certified according to governing industry standards and are designed to function as the "heart" of your network system. Network switches provide a range of options for connecting hardware units in your onboard networks, with selected models featuring features such as PoE or redundancy protocol.



## Features



PoE



Ethernet



High  
Speed



Extended  
Temperature



Rugged



EN60945



Ring  
Protocol



## Form Fit

Form fit system hardware ensures that components may be exchanged seamlessly throughout the life span of a ship – whether due to component errors and repairs, or upgrades to keep pace with technological advancements – without the need for a system redesign.

This reduces the time and cost of hardware replacement and system upgrades.



## Lifecycle Management

Lifecycle management guarantees the continued production and delivery of industrial-grade embedded components in a ship's critical systems.

By choosing a hardware partner that provides lifecycle management you ensure that all networking, data processing, and display hardware and software will be supported throughout 7 years.



## Backward Compatibility

Backward compatibility eliminates the risk of a software image becoming outdated and unusable due to hardware upgrades.

By integrating backward compatible, marine approved and providing support for all communication modules (i.e. serial bus, ethernet, rich I/O and modular), new and old, as well as a range of previous OS releases, you extend the life span of your system.

# Managed / Unmanaged Switches

## Brief Features & Specifications

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



Managed	Format & Type	Ports	Power Inputs & Consumption (typ)	MTBF
HN G9084-LA	Compact, Gigabit	8 x 10/100/1000Mbps P.S.E. RJ45 4 x 100/1000Mbps SFP	Dual/Redundant 12 ~ 48VDC 13W	551378 hours
Dimensions	W:108.30 x H:145.10 x D:108.30 mm			

HN GP9084-LA	Compact, Layer2, Gigabit Active PoE+	8 x 10/100/1000Mbps P.S.E. RJ45 4 x 100/1000Mbps SFP	Dual/Redundant 50 ~ 57VDC 13.2W PoE Power Budget: 240W max, 30W/per port	516416 hours
Dimensions	W:108.30 x H:145.10 x D:108.30 mm			

HN G9812	Gigabit	8 x 10/100/1000Mbps RJ45 12 x 100/1000Mbps SFP	Dual/Redundant 12 ~ 48VDC 10W	670184 hours
Dimensions	W:96.40 x H:154.00 x D:105.50 mm			

Unmanaged	Format & Type	Ports	Power Inputs & Consumption (typ)	MTBF
HN G1080A	Slim, Gigabit	8 x 10/100/1000Mbps RJ45	Dual/Redundant 12 ~ 48VDC 5.5W	875918 hours
Dimensions	W:26.10 x H:144.30 x D:94.90 mm			

HN GP1080A	Slim, Gigabit Active PoE+	8 x 10/100/1000Mbps P.S.E. RJ45	Dual/Redundant 50 ~ 57VDC 6W (PoE output not included) PoE Power Budget: 180W max, 22.5W/per port	665276 hours
Dimensions	W:26.10 x H:144.30 x D:94.90 mm			

## Common features for all Network Switches

### Fault Contact:

Relay output to carry capacity of 1A at 24VDC

### Operating Temperature Range:

-40°C to +75°C

### Warranty:

5 years

### Certification and Environmental:

IEC 60945 4th (EN 60945:2002), IACS E10, EU RO MR (pending) - Enclosure: IP-30

### Regulatory approvals categories:

EMC, EMI, EMS, Shock, Free Fall, Vibration, Safety

### Accessories (where applicable):

Din-Rail Kit, Wall-Mount Kit



## Contact us or need more information?

Contact us at +47 4814 2200 or visit [www.hattelandtechnology.com/about/team](http://www.hattelandtechnology.com/about/team)  
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