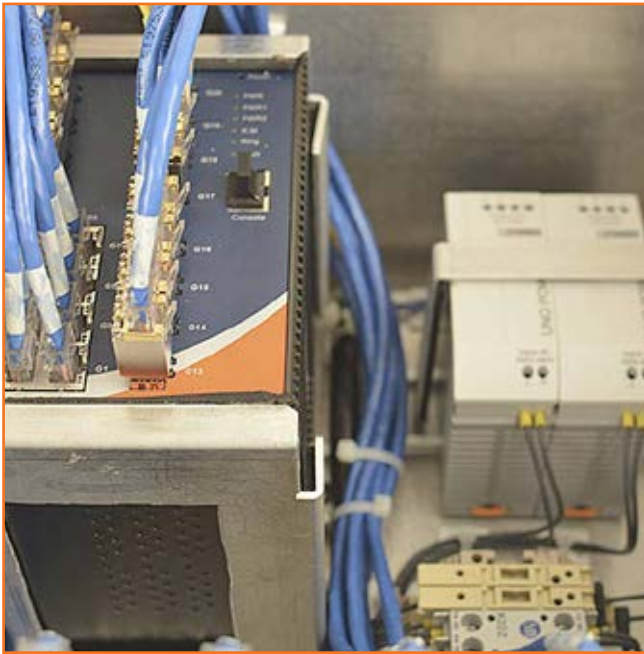


## NS-4000 MILITARY LAYER 3 ETHERNET SWITCH



## ABOUT

Rugged Science NS-4000 series managed Ethernet switches are designed for military and marine use. The NS-4000 is compliant with the EN50155 standard, and is a managed Gigabit Redundant Ring Ethernet switch. The switch support Ethernet Redundancy protocol, Rugged-Ring can protect your mission-critical applications from network interruptions or temporary malfunctions with its fast recovery technology.

It is specifically designed for the toughest industrial environments. The NS-4000 uses M12 military-style connectors to guarantee secure connections. The NS-4000 also supports Power over Ethernet, which transmits power and data to remote devices over standard twisted-pair cable in an Ethernet network. NS-4000 can be centrally managed by Rugged-Vision, and web-based interface.

## FEATURES

- Rugged MIL-SPEC aluminum housing
- Redundant power supplies
- Fault relay monitoring
- User-selectable port monitor and DC power alarm terminal
- 18x copper/2x fiber ethernet ports
- EN50155 compliant
- Supports standard IEC 62439-2 MRP (Media Redundancy Protocol) function

## Housing Specifications

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**Enclosure** Rugged aluminum and steel construction

## Power

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**Input Voltage** 120V AC

## Mechanical

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**Chassis Material** Aluminum

**CFast** 12 x 12 x 10 - inches (304.8 x 304.8 x 254 - mm)

**Weight** 22lbs. (9.9kg)

## Environmental

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**Operating Temperature** -25°C to 65°C (-13°F to 152°F)

**Storage Temperature** -40°C to 85°C (-40°F to 185°F)

**Humidity** 10% to 95% Humidity, Non-condensing

**Relative Humidity** 95% at 65°C

**Alarm notifications**

**Static/DHCP addressing**

**Settable gateway address/address mask**

**Selectable HTTP ports**

**Supports Class A, B, C, IP addressing**

## Certifications

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**Shock** MIL-S-901D

**Vibration** MIL-STD-167-1

**EMI** MIL-STD-461F

**Enclosures** MIL-STD-108E

**Shipboard Equipment** MIL-STD-810G

**Electrical Current, AC** MIL-STD-1399, section 300B