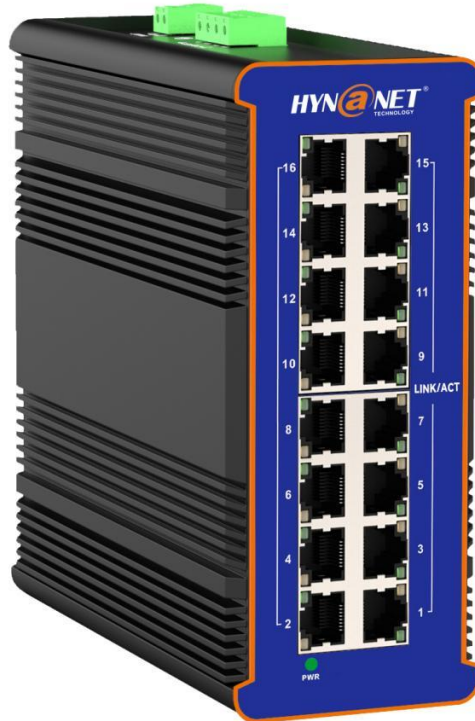


# IDS1616R

Din-rail 16 Ports 10/100/1000M Industrial Switch



## Product Description:

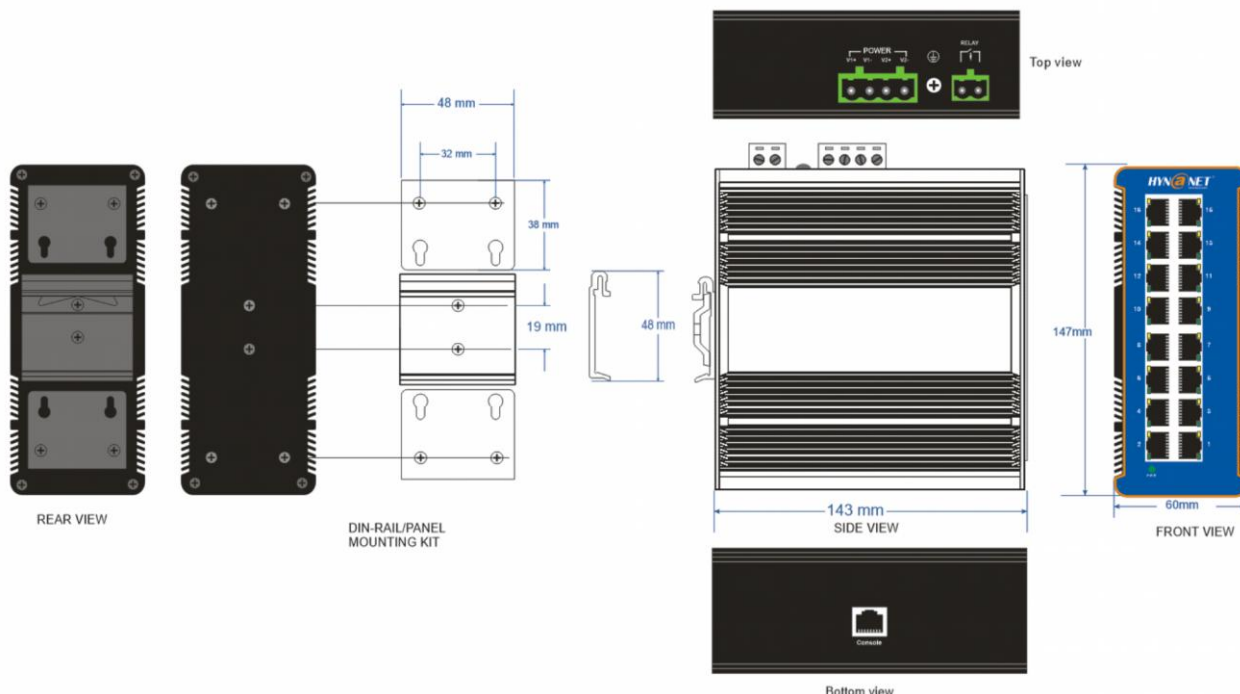
The IDS1616R is a high-performance industrial Ethernet switch featuring 16 10/100/1000M RJ45 ports, engineered to deliver exceptional reliability for rolling stock and demanding industrial applications. It provides full wire-speed Layer 2 switching for efficient network aggregation. Designed for maximum flexibility in harsh environments, the switch supports an extended operating temperature range of -40 ° C to 75 ° C.

## Product Features:

- Conforms to IEEE802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.3ab
- Provide 16 10/100/1000M RJ45 Copper ports
- High back-plane bandwidth 32Gbps
- IEEE802.3x Flow control
- Surge protection for power port and data ports
- Wide power input: 12~57VDC
- Wide working temperature: -40~75°C
- IP30 Aluminum case
- 200,000 hours MTBF (Parts count reliability prediction)
- EMI: FCC Part 15, CISPR (EN55022) Class A
- EMS: EN61000-4-2 (ESD), EN61000-4-3 (RS)
- EN61000-4-4 (EFT), EN61000-4-5 (Surge)
- EN61000-4-6 (CS), EN61000-4-6 (Common Mode Conduction)
- Industrial: IEC6100-6-2

- Railway: EN50155, EN50121-4
- Transportation: NEMA TS-2
- Warranty: 5 years

## Product Dimension:



## Product Specifications:

| Attributes            |                                                                 |
|-----------------------|-----------------------------------------------------------------|
| Networking Interfaces | 16 10/100/1000M RJ45 Copper ports.                              |
| LED Indicators        | Power, Link/Act                                                 |
| Copper Cable          |                                                                 |
| 10Base-T              | 2-pair UTP/STP Cat. 3,4,5/5E,6 cable EIA/TIA-568 100-ohm (100m) |
| 100Base-T             | 2-pair UTP/STP Cat. 5/5E,6 cable EIA/TIA-568 100-ohm (100m)     |
| 1000Base-T            | 4-pair UTP/STP Cat. 5/5E,6 cable EIA/TIA-568 100-ohm (100m)     |
| Performance           |                                                                 |
| Switching Capacity    | 32Gbps                                                          |
| Forwarding Capacity   | 23.8Mpps                                                        |
| Forwarding Mode       | Store and Forward                                               |
| Packet Buffer Memory  | 4 Mbit                                                          |
| MAC Address Table     | 8K                                                              |
| Physical              |                                                                 |
| Dimensions            | 150x143x70mm                                                    |
| Weight                | 2KG                                                             |
| Operating Temperature | -40 to 70°C                                                     |
| Storage Temperature   | -45 to 75°C                                                     |
| Operating Humidity    | 5 to 95% Noncondensing                                          |

|                                   |                   |
|-----------------------------------|-------------------|
| <b>Power Method</b>               | 12-57VDC          |
| <b>Max. Power Consumption</b>     | 10W               |
| <b>EMC Safety</b>                 | FCC, CE, RoHS     |
| <b>Reliability</b>                | 200000 Hours MTBF |
| <b>Package List</b>               |                   |
| <b>Industrial Ethernet Switch</b> | 1pcs              |
| <b>User Manual</b>                | 1pcs              |
| <b>Warranty Card</b>              | 1pcs              |

## Order Information:

| <b>Switch Models</b> |                                                  |
|----------------------|--------------------------------------------------|
| IDS1616R             | Din-Rail 16 Ports 10/100/1000M Industrial Switch |