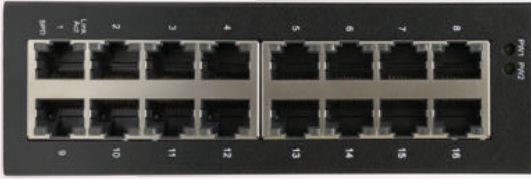


# ES-1600G

16 Port Industrial Unmanaged Gigabit Ethernet Switch



- 16x Gigabit Ethernet ports
- Built for harsh environments and wide temperature range application
- IP30 housing
- IP30 housing
- DIN-Rail Mounting



## Specifications

### Technology

#### Standard

IEEE 802.3 10BaseT  
IEEE 802.3u 100BaseTX

IEEE 802.3ab 1000BaseT  
IEEE 802.3x Flow Control

#### Processing Type

Store and Forward

### Switch properties

Priority Queues	-	Packet Buffer	4Mbits
Jumbo Frame	-	MAC Table Size	8K
Switch Fabric	32Gbps		

### Interface

RJ45 Ports	16x 10/100/1000T(x), auto negotiation speed duplex mode, auto MDI/MDI-X	LED Indicators	Per unit: PWR1, PWR2 Ports: Link/Active with highest speed(Green), low speed(Amber)
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### Power Requirements

Operation Voltage	12-48VDC, redundant dual inputs	Protection	Overload Current Protected, Reverse Polarity Protected
Connection	1x removable 6-contact terminal block	Power Consumption	10W

### Mechanical Construction

<b>Enclosure</b>	Metal casting
<b>Protection Class</b>	IP30
<b>Dimensions</b>	45x136x95 mm (WxHxD)

<b>Weight</b>	0.5 kg
<b>Mounting</b>	DIN-Rail Mounting

### Environmental Limits

<b>Operating Temperature</b>	Extended: -40°C ~ 75°C (-40°F ~ 167°F) For 10G SFP+: -40 ~ 60°C (32°F ~ 140°F)
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<b>Ambient Relative Humidity</b>	5 to 95%, (Non-Condensing)
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<b>Storage Temperature</b>	-40°C ~ 85°C (-40°F ~ 185°F)
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### Regulatory Approvals

<b>EMI</b>	FCC Part 15 Subpart B Class A CE EN 55032 Class A
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<b>Shock</b>	IEC60068-2-27
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<b>EMS</b>	IEC61000-4-2 (ESD) IEC61000-4-3 (RS) IEC61000-4-4 (EFT) IEC61000-4-5 (Surge) IEC61000-4-6 (CS) IEC61000-4-8 (Magnetic Field)
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<b>Vibration</b>	IEC60068-2-6
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<b>Green</b>	RoHS Compliant
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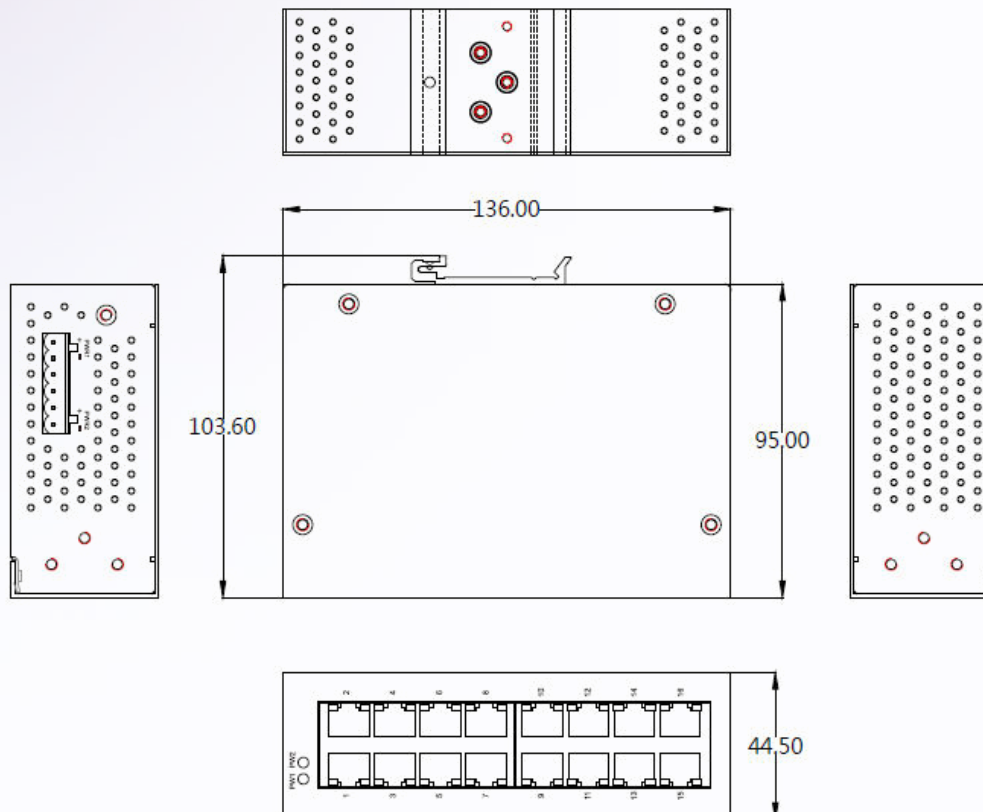
<b>Certifications</b>	EN 50121-4
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<b>MTBF</b>	>100,000 hours
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<b>Free Fall</b>	IEC60068-2-32
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<b>Warranty</b>	5 Years
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### Dimensions (unit = mm)



## Ordering Information

### Available Models

**ES-1600G-T** 16 Port Industrial Unmanaged Gigabit Ethernet Switch  
- 16x 10/100/1000T(x)  
- Operating Temperature: -40°C ~ 75°C (-40°F ~ 167°F)

### Optional Accessories

**NDR-75-24** 75W Industrial DIN-Rail Power Supply, 24VDC (metal case)

**NDR-75-48** 75W Industrial DIN-Rail Power Supply, 48VDC (metal case)