

16-Port Gigabit Switch for Industrial Use



AI Overview

Industrial 16-port Gigabit Ethernet switches provide robust, high-speed connectivity for harsh environments, supporting temperatures from -40°C to 75°C, DIN-rail or wall mounting, and features like PoE, redundant power, and energy-efficient operation.

Key Features

- Port Configuration and Speed:** 16 auto-negotiating 10/100/1000 Mbps RJ45 ports for high-speed device connections, often with auto MDI/MDI-X support for plug-and-play operation. Some models include additional SFP or SFP+ slots for fiber uplinks, enabling long-distance connectivity.
- Industrial-Grade Design:** Rugged IP30 or IP50 metal enclosures to withstand vibration, shock, and dust.
- Wide operating temperature ranges:** typically -40°C to 75°C, suitable for factory floors, warehouses, and outdoor installations.
- DIN-rail, wall, or shelf mounting options** for flexible installation.
- Power and Redundancy:** Dual or multiple power inputs (12-60V DC or 24V AC) for high availability and failover support. Some models support PoE/PoE+ (IEEE 802.3af/at) to power connected devices like IP cameras or access points, with power budgets up to 240W.
- Network Management:** Unmanaged switches offer plug-and-play simplicity with MAC address auto-learning and flow control. Managed or smart switches provide VLAN, QoS, SNMP, RSTP/MSTP, ERPS, and security features for advanced network control. Cloud-based or web interfaces are available for monitoring and configuration in some managed models.
- Protection and Reliability:** Surge and ESD protection ($\pm 6-8\text{kV}$) to safeguard against electrical disturbances. Alarm relays for power failure notifications and network continuity.
- Energy-efficient Ethernet (IEEE 802.3az)** reduces power consumption when ports are idle or cable lengths are short.
- Performance:** Switching capacity typically around 32 Gbps, supporting full-duplex Gigabit throughput per port. Jumbo frame support (up to 9-10 KB) for efficient large-packet transmission.

Popular Models: PLANET IGS-1600T: 16-port unmanaged, IP30, -40°C to 75°C, dual power input, energy-efficient, DIN-rail...

Article Content

16-Port Industrial Gigabit DIN-Rail Switch

This Industrial switch features copper Gigabit ports for high-speed device connections, and Gigabit SFP slots that support 1000Base-FX modules for long Network switch

Network switch Avaya ERS 2550T-PWR, a 50-port Ethernet switch A network switch (also called switching hub, bridging hub, Ethernet switch, and—by the IEEE —

16-Port Industrial Gigabit PoE+ Managed Ethernet

PG5-1600 16-Port Industrial Gigabit PoE+ Managed Ethernet Switch #100Mbps Copper #1000Mbps Copper #PoE

16-Port Industrial Gigabit DIN-Rail Switch

TRENDnet's 16-Port Industrial Ethernet Switch is a reliable and rugged networking solution designed for extreme and demanding environments with intense heat or cold, and/or a vibration and shock.

PoE Network Switch Price in Bangladesh 2026

High-quality 8-port network switch is available between 2,000 BDT and 6,000 BDT. 16-port network switch starts at 4,500 BDT to 5,000 BDT. Also, network switch

3onedata | Industrial Communication Solutions

3onedata is a leading supplier of industrial communication solutions, we have been dedicated to IIoT for over 20 years. Our main products include industrial Ethernet

16-Port Industrial Network Switch, Gigabit, Unmanaged,

Unmanaged 16-port Gigabit Ethernet switch is designed to expand connectivity in harsh environments, including factories, warehouses and construction sites.

16-Port Industrial Ethernet Switch | WAGO

WAGO's 16-Port Industrial Switch meets the “Energy Efficient Ethernet” standard. Per the IEEE-802.3az standard, the energy consumption is automatically

DIGITUS 16 Port Gigabit Ethernet Network Switch, Industrial,

Thanks to redundant power supply, it guarantees constant availability in highly sensitive sectors such as transport, production, transport and security surveillance. With its 16 Gigabit Ethernet ports, it is

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Black Box

Black Box provides cutting-edge IT solutions and technology products to businesses worldwide, ensuring innovative and reliable services for global digital transformation.

16-Port Unmanaged Switch, Gigabit Ethernet, Metal,

Heavy-duty metal unmanaged switch with 16 auto-negotiable RJ45 ports provides Ethernet network connections for your data center, workgroup or small office.

HMS Networks

HMS creates products that enable industrial equipment to communicate and share information with software and systems. In short: Hardware Meets Software™.

IGS-1600T

PLANET IGS-1600T Industrial high-density 16-port 10/100/1000T Gigabit Ethernet Switch is equipped with a rugged IP30 metal case for stable operation in heavy industrial demanding environments.

Gigabit Ethernet

Supermicro AOC-SGP-I2 dual-port Gigabit Ethernet NIC, a PCI Express × 4 card IEEE 802.3ab is the original standard for Gigabit Ethernet over twisted-pair

IGS-1600T

Suitable for buildings where security is strictly enforced, the IGS-1600T, with sixteen Gigabit Ethernet Switch interfaces, can easily build an infrastructure with an IP phone system, IP surveillance system,

Wiley Online Library

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

16-Port Industrial Network Switch, Gigabit, Unmanaged,

Unmanaged 16-port Gigabit Ethernet switch is designed to expand connectivity in

Industrial Ethernet Switches | Phoenix Contact

Our Industrial Ethernet Switch portfolio comprises Managed and Unmanaged Switches with Gigabit, PoE, IEC 61850 certification, and for DIN rail mounting.

N-Tron® NT5016 16 Port Gigabit Managed Industrial

With extensive compliance certifications, the switch is ideal for a wide range of industrial applications in factory automation, oil and gas, water/wastewater,

16-Port Managed Industrial Gigabit Ethernet Switch | Eaton

Expand your Gigabit Ethernet network into harsh environments, such as mines and construction sites, with this 16-port Lite Managed switch with IP30 casing.

TRENDnet 16-Port Hardened Industrial Unmanaged Gigabit 10

Trendnet's 16-port industrial Gigabit PoE+ DIN-Rail switch, model TI-PG160, has sixteen Gigabit PoE+ ports with a 240W PoE power budget. Users are able to connect sixteen PoE+ devices to the

16 Port Switch — Scalable Ethernet Solutions for SMBs

Build a scalable wired network with our 16 port switches. Pick from managed and unmanaged options with PoE and SFP features. Shop now and simplify your network.

16-Port Managed Industrial Gigabit Ethernet Switch | Eaton

Expand your Gigabit Ethernet network into harsh environments, such as mines

Contact Us

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