

5-Port Unmanaged Industrial Ethernet Switch



Overview

5 Port Unmanaged Industrial Gigabit Ethernet Switch
5 Port Unmanaged Industrial Gigabit Ethernet Switch - DIN Rail / Wall-Mountable - TAA Tripp Lite series.

Key Takeaways

A 5-port unmanaged industrial Ethernet switch provides plug-and-play connectivity for industrial networks, designed to withstand harsh environments with DIN rail or wall mounting options.

Key Features

Port Configuration and Speed: Most 5-port industrial switches offer 10/100 Mbps Ethernet ports with auto-negotiation and MDI/MDI-X crossover detection, allowing seamless connection of multiple devices without manual configuration (Teltonika TSF010, Eaton NFI-U05, Omega NS-205) .

Durability and Industrial Design: These switches are built for harsh industrial environments, featuring rugged metal housings, vibration and shock resistance, and wide operating temperature ranges (e.g., -40°C to 75°C for Eaton NFI-U05) .

Mounting Options: Many models support DIN rail mounting for compact installation in control cabinets, with some also offering wall-mounting options (Teltonika TSF010, Eaton NFI-U05) .

Power Supply Flexibility: Industrial switches often accept a wide DC voltage range (e.g., 7-57 VDC for Teltonika TSF010), ensuring compatibility with various industrial power sources . Some models include overload and high/low voltage protection (Omega NS-205) .

Plug-and-Play Operation: Being unmanaged, these switches require no configuration, making them ideal for quick deployment in factories, automation systems, smart city infrastructure, and other industrial applications.

Additional Features:

- LED indicators for power and port activity for easy monitoring (Omega NS-205, Eaton NFI-U05) .
 - Flow control and MAC address auto-learning for efficient data transmission (Eaton NFI-U05) .
 - Compact design suitable for space-constrained environments (Omega NS-205 width 33 mm) .
- Applications

These switches are ideal for:

- Factory automation and industrial control systems
- CCTV and machine vision networks
- Smart factories and IoT-enabled industrial setups
- Warehouses and construction sites requiring robust Ethernet connectivity

Popular Models

- LAPP ETHERLINE® ACCESS U – Rugged, energy-efficient, Gen2 industrial switch .
- Teltonika TSF010 – Compact, DIN rail compatible, wide voltage input .
- Eaton NFI-U05 – 10/100 Mbps, DIN mountable, wide temperature range, auto MDI/MDI-X .
- Omega NS-205 – Slim design, overload protection, auto-negotiation, LED indicators . These switches provide a cost-effective, reliable solution for expanding industrial Ethernet networks with minimal setup and high durability.

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