

Which company makes the best Layer 3 industrial-grade switches



AI Overview

Cisco and Moxa are widely recognized as leading manufacturers of Layer 3 industrial-grade switches, offering high reliability, advanced security, and compliance with industrial standards.

Cisco Industrial Ethernet Switches Cisco's Industrial Ethernet (IE) switches are designed for harsh industrial environments, including factories, transportation infrastructure, and power substations. They provide high resilience, ultra-low jitter, and advanced security features such as microsegmentation and Cisco TrustSec technology. These switches support high-speed 10-GE uplinks, high-wattage PoE, and device-to-cloud monitoring via the Cisco ThousandEyes agent, making them suitable for AI-driven industrial applications. Cisco IE switches are modular and compact, with IP67-rated options for space-constrained locations, ensuring reliable connectivity without additional protective enclosures (Cisco).

Moxa Layer 3 Managed Switches Moxa specializes in industrial-grade Layer 3 managed switches with a focus on reliability, multicast support, and security enhancements based on the IEC 62443 standard. Their switches are certified for EN 50155 (rail applications), IEC 61850-3 (power automation), and NEMA TS2 (intelligent transportation systems), making them ideal for mission-critical industrial networks. Moxa switches are designed to withstand extreme conditions while providing robust Layer 3 routing capabilities and secure network segmentation (Moxa).

Key Considerations for Industrial Layer 3 Switches

- Durability and Certifications:** Look for compliance with IEC 62443, EN 50155, IEC 61850-3, or NEMA TS2 to ensure suitability for industrial environments.
- Performance:** High-speed uplinks (10-GE or higher), low latency, and support for advanced routing protocols (OSPF, BGP, VRF) are essential.
- Security:** Features like MACsec encryption, microsegmentation, and zero-trust access help pr...

Article Content

Best Layer 3 Switch in 2026: Tested and Reviewed

In this guide, we've tested and reviewed some of the top Layer 3 switches available today to help you make an informed decision.

Industrial Ethernet Switch

ORing offers a comprehensive portfolio of rugged industrial Ethernet switches, from cost-effective unmanaged and PoE models to advanced Layer 2/3 managed switches enabling precise control. Our

19 Industrial Ethernet Switch Manufacturers in 2026 | Metoree

This section provides an overview for industrial ethernet switches as well as their applications and principles. Also, please take a look at the list of 19 industrial ethernet switch manufacturers and their

Layer 3 Switches | Industrial Ethernet Switches | EtherWAN

EtherWAN's Layer 3 switches can make routing decisions based on IP addresses, with support for both static routes and RIP v1/v2 protocols. Additionally, these Hardened / Industrial Ethernet switches

Best Layer 3 Switches to Enhance Network Performance.

Are you in search of the best layer 3 switches for your networking needs? Look no further, as we have compiled a list of the top 8 best layer 3 switches, specifically designed for handling

9 Best Network Switches for 2024: Speed and Features

Network switches can increase your network's connectivity speeds, give you access to more ports, and cut your infrastructure costs. Find the right

The 12 best network switch vendors & alternatives for 2025

We compare network switch vendors with our fully managed network service. Our guide shows why Meter is the top pick for enterprises in 2025.

Layer 3 network switch, Layer 3 ethernet switch

Find your layer 3 network switch easily amongst the 249 products from the leading brands (Advantech, Kontron, Emerson, ...) on DirectIndustry, the industry specialist for your professional purchases.

Atlantic International University

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

Industrial Ethernet Switches

Modernize your operations with Cisco Industrial Ethernet switches: Increase productivity, boost security, and empower industrial AI.

Layer 3 Industrial Ethernet Switches: Top Picks for 2025

Need reliable Layer 3 industrial Ethernet switches? Discover top-rated models with PoE, VLAN, and SNMP support. Click to find the perfect fit for your industrial network today!

Layer 3 Managed Switches

We offer toughened industry-specific products with multiple industry certifications, such as parts of the EN 50155 standard for rail applications, IEC 61850-3 for power automation systems, and NEMA TS2

Types of Industrial Grade Network Switches

Learn about L2 and L3 Industrial Grade Network Switches, PoE vs non-PoE types, and how to choose the right rugged switch for your industrial setup.

Industrial Ethernet Switches

Built to endure the demanding conditions of factories, transportation infrastructure, grid substations, and other harsh environments, Cisco Industrial Ethernet switches come in a wide range of form factors to

Top Layer 3 Switch Companies & How to Compare Them (2025)

The analysis covers essential trends, growth drivers, and strategic industry outlooks. Layer 3 switches are essential for modern network infrastructure.

Industrial Ethernet Switches | Industrial Network Switch

Industrial-grade Ethernet Switches are specifically designed to connect devices in network environments that are subject to extreme operating temperatures of

Industrial Ethernet Switches: A Guide to Hardened

This guide provides a complete overview of the industrial network switch. We will explore the critical differences from office-grade gear, detail key

Best Layer 3 Switch of 2026: Tested and Reviewed

In this guide, we've tested and reviewed the best layer 3 switch on the market to help you choose the right one for your networking needs.

Why and when do you need an Industrial Layer 3 switch

What is the purpose of Layer 3 switches? Layer 3 routing protocol is becoming more and more important to industrial network topologies, such as intelligent

The Difference Between Layer 2 And Layer 3 Industrial

Both have their advantages and disadvantages, making it crucial to understand each before selecting one that meets your networking needs. In this

Best Enterprise Switches 2025: Top 5 Network Switches

A: The top 5 enterprise-grade managed switches for 2025 are the Cisco Catalyst 9300X (secure access), HPE Aruba CX 8360 v2 (resilient core),

Industrial Layer 3 Ethernet Switches | Westermo

Westermo industrial Layer 3 Ethernet switches provide secure and reliable routing for mission-critical networks. Designed for harsh industrial, rail and energy environments, they enable advanced

Best Layer 3 Switch of 2026: Tested and Reviewed

Looking for the best Layer 3 switch to power your growing network? You're in the right place. We've tested and reviewed the top-performing models

Layer 3 Managed Switches

Moxa's Layer 3 managed switches feature industrial-grade reliability, multicast availability, and security enhancements based on the IEC 62443 standard. We

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