

Three-layer industrial switch manufacturer



Overview

Layer 3 Rackmount Switch | Industrial Ethernet Switch CTC Union offers a full spectrum of products, including Layer 3 Rackmount Switch, Industrial Ethernet.

Key Takeaways

Leading manufacturers of industrial Layer 3 switches include Advantech, Belden (Hirschmann), Come-Star, Kontron, and Emerson, offering rugged, high-performance switches for complex industrial networks.

Key Manufacturers and Brands

Advantech: Offers industrial Layer 3 switches designed for high-speed routing, VLAN management, and network segmentation, suitable for factory automation and transportation systems. **Belden (Hirschmann & Lumberg Automation):** Provides ruggedized managed Ethernet switches with Layer 3 capabilities, supporting IT/OT convergence, high reliability, and harsh environment operation.

Come-

Star: Specializes in industrial-grade Layer 3 Ethernet switches with advanced routing, OSPF support, QoS prioritization, and robust aluminum alloy housing for extreme temperatures and vibration. **Kontron:** Supplies professional industrial networking equipment, including Layer 3 switches for datacenter and industrial applications. **Emerson:** Offers Layer 3 industrial switches with high reliability and integration for utility and industrial automation networks.

Features of Industrial Layer 3 Switches
Routing Between VLANs/Subnets: Unlike Layer 2 switches, Layer 3 switches can route traffic between different network segments, essential for large-scale industrial networks. **Rugged Design:** Many industrial switches operate in extreme temperatures (-40°C to +75°C) and high-vibration environments. **Advanced Management:** Support for CLI, web interfaces, SNMP, and automation tools for easy deployment and monitoring.

High Performance: Gigabit and fiber options, low latency, and QoS features to prioritize critical industrial protocols. **Redundancy and Reliability:** Features like port mirroring, broadcast storm control, and redundant power inputs ensure network stability. **Considerations When Choosing a Vendor**
Performance & Throughput: Evaluate port speeds, latency, and scalability.

Compatibility & Integration: Ensure the switch integrates with existing industrial systems and software. **Security Features:** Look for ACLs, port security, and threat detection. **Support & Reliability:** Consider warranty, customer service, and track record of uptime.

These manufacturers provide a range of industrial Layer 3 switches suitable for applications in manufacturing, transportation, utilities, and other environments requiring robust, high-performance networking solutions.

Article Content

Layer 3 Rackmount Switch | Industrial Ethernet Switch

CTC Union offers a full spectrum of products, including Layer 3 Rackmount Switch, Industrial Ethernet, PoE, EN50155 and E-Mark certified switches. CTC Union's

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.

Layer 3 Industrial Ethernet Switches | Industrial Grade L3 Switch ...

Explore industrial Layer 3 Ethernet switches designed for routing, VLAN control, and large-scale industrial networks. Rugged industrial grade L3 switches with fiber and Gigabit options. OEM &

Managed Switches

With Layer 2 (data link layer) and Layer 3 (network layer) options or built-in SPE technology, you'll find just what you need in our Hirschmann and Lumberg Automation product families. Ruggedized

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

Layer 3 Industrial Ethernet Switches (Managed) | Three Link

Layer 3 industrial Ethernet switches for advanced industrial network control. View configurations and contact Three-Link for a quote, lead time and technical support.

Layer 3 Din Rail Switch | Industrial Ethernet Switch Manufacturer

CTC Union offers a full spectrum of products, including Layer 3 Din Rail Switch, Industrial Ethernet, PoE, EN50155 and E-Mark certified switches. CTC Union's goal is to provide reliable, temperature

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

Industrial Ethernet Switches

Whether you need an unmanaged industrial Ethernet switch for a simple point-to-point connection, a managed switch for network redundancy, or a Layer 3 industrial Ethernet switch for advanced

Layer 3 Din Rail Switch | Industrial Ethernet Switch Manufacturer

Manufacturer of CTC Union's Industrial Layer 3 Din-Rail Switch. Industrial layer 3 din-rail switches adopt an enhanced and hardened design to meet critical and centralized requirements in Smart City,

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 offer toughened industry-specific products with

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

Industrial Layer 3 GbE PoE Switch | Industrial & Telecom Network ...

CTC Union is high-quality Industrial Layer 3 GbE PoE Switch, L3 24x GbE RJ45 + 8x 100/1000Base-X SFP with 24x PoE 400W 48VDC manufacturer from Taiwan since 1993.

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IKS-G6824A Series

Process automation and transportation automation applications combine data, voice, and video, and consequently require high performance and high reliability. The IKS-G6824A Series is equipped with

Industrial Layer 3 10G Switch | Industrial & Telecom Network

IXR-G4804X Industrial Layer 3 10G Switch | Industrial & Telecom Network Equipment Manufacturer | CTC Union L3 48x GbE RJ45 + 4x 1G/2.5G/10G SFP+ | CTC Union's goal is to provide reliable,

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CTC Union is high-quality Industrial Layer 3 10G Switch, L3 24x GbE RJ45 + 4x 100/1000Base-X SFP + 4x 1G/2.5G/10G SFP+ manufacturer from Taiwan since 1993. CTC Union is a leading Taiwanese

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