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

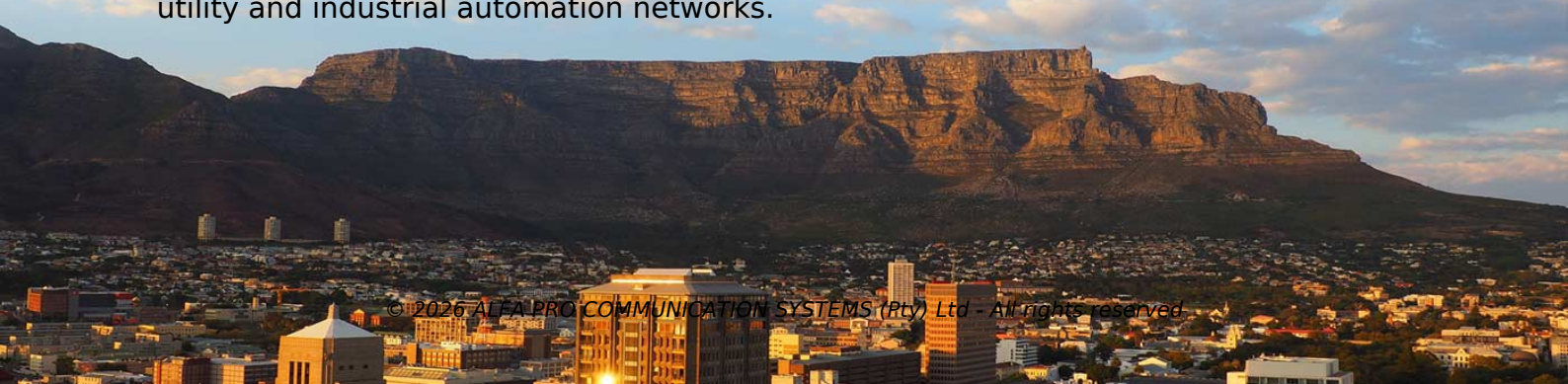
Leading manufacturers of industrial Layer 3 switches include Advantech, Belden (Hirschmann), Come-Star, Kontron, and Emerson, offering rugged, high-performance switches for complex industrial networks.

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.



© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

Features of Industrial Layer 3 SwitchesRouting 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 VendorPerformance & 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

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

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 ...

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

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.

NYT Connections archive

Every NYT Connections puzzle ever published is listed here, organised by date, with all four category groups and their sixteen words. The NYT only offers the current day''s puzzle for free,

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,

Myanmar+Three-Layer+Industrial+Switch+Manufacturer

All Companies and suppliers for Myanmar+Three-Layer+Industrial+Switch+Manufacturer Find wholesalers and contact them directly Leading B2B martketplace Find companies now!

Industrial Layer 3 10G Switch | Industrial & Telecom Network

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

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

Contact Us

Continue your research online:

Website: https://alfa-pro.co.za
Technical inquiry: https://alfa-pro.co.za/contact.html

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved