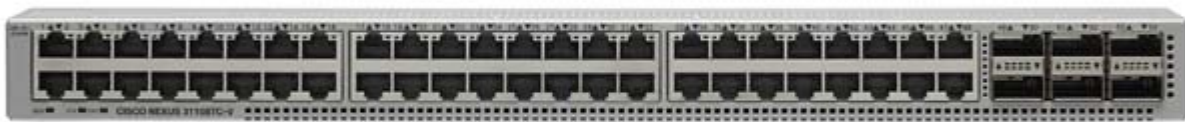




Cisco Nexus 3000 Series Switches /

Cisco Nexus 31108TC-V Switch



High-Density, Top-of-Rack, 1/10/40/100-Gbps Switching

Get high performance, advanced programmability, and wire-rate Layer 2 and 3 switching based on the Cisco NX-OS operating system. The 31108TC-V is a 48-port, 1/10-Gbps switch with 40/100-Gbps uplinks. Ideal for building cost-effective, power-efficient data centers, this compact switch supports DevOps toolsets. It offers flexibility, mobility, and scale for cloud and service providers.

Features and Capabilities

High Performance and Flexibility

- All ports support 1, 10, 40, 100 Gbps for maximum flexibility
- Up to 2.5 Tbps and up to 1.4 billion packets per second (Bpps)
- The design is optimized for ultra-low, nominal latency (approximately 650 nanoseconds)
- Border Gateway Protocol Ethernet VPN (BGP EVPN) control plane offers scalable multitenancy and host mobility

Feature-Rich

- Native line-rate virtual extensible LAN (VXLAN) routing supports mobility and tenant isolation
- Integrates with Cisco Cloud Network Manager and XML management tools
- Includes scalable and cost-effective network traffic monitoring with **Cisco Nexus Data Broker**

Simple Operations

- Touchless boot-up with Power-On Auto-Provisioning (**POAP**)
- Configuration management DevOps tools support Puppet, Chef, and Ansible
- Advanced programmability functions include Cisco NX-API command-line interface (CLI), NX-API representational state transfer (REST), Cisco Embedded Event Manager, and Python scripting

Specifications at a Glance

- 1-rack-unit (1RU) fixed form factor
- 16 MB of deep-shared buffer
- 48 RJ-45 ports support 100 Mbps, 1 Gbps, and 10 Gbps
- 6 Quad Small Form Factor Pluggable (QSFP) ports support 4 x 10 Gigabit Ethernet or 40 Gigabit Ethernet each, or 100 Gigabit Ethernet
- 2.8 Tbps switching capacity

Data Sheets and Literature

Data Sheets

(All Cisco Nexus 3000 Series Switches Data Sheets)

[Cisco Nexus 3100-V Platform Switches Data Sheet](#)

Cisco Nexus 3100-V Platform Switches Data Sheet

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