Juniper EX4100-24T

Datasheet

Product Overview

- The Juniper EX4100-24T is a fixed 1U Ethernet access switch for enterprise campus, branch, and high-density wired networks.
- It provides 24 × 10/100/1000BASE-T non-PoE access ports for wired endpoints, workstations, phones, cameras, and IoT devices.
- Four 1/10GbE SFP+ uplinks and four 10/25GbE SFP28 Virtual Chassis ports support aggregation and high-speed switch interconnection.
- The non-PoE design uses a 150W AC power supply and fits deployments where endpoint power is supplied locally or through separate equipment.
- The switch delivers 164Gbps unidirectional switching capacity, 328Gbps bidirectional capacity, and 244Mpps Layer 2/Layer 3 throughput.
- Junos OS, Mist Wired Assurance, EVPN-VXLAN campus fabric support, and a ten-member Virtual Chassis help simplify scalable campus operations.

Product Highlights

- **24-Port Gigabit Access:** Twenty-four 10/100/1000BASE-T ports provide dense non-PoE Gigabit access for enterprise endpoints.
- **Flexible High-Speed Uplinks:** Four 1/10GbE SFP+ ports and four 10/25GbE SFP28 ports support uplink, aggregation, and Virtual Chassis connections.
- **Non-PoE 150W Design:** The EX4100-24T uses a 150W AC power supply for access deployments that do not require integrated endpoint power.
- **Redundant Hot-Swappable Power:** Up to two JPSU-150-AC-AFO power supplies provide load sharing and 1+1 redundancy without powering down the switch.

Detailed Features



EX4100-24T

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Component	Specification
Access Ports	24 × 10/100/1000BASE-T
Uplink Ports	4 × 1/10GbE SFP+
Virtual Chassis Ports	4 × 10/25GbE SFP28
PoE Support	Not supported
Switching Capacity	164 Gbps unidirectional / 328 Gbps bidirectional

Dense Non-PoE Gigabit Access

The EX4100-24T provides 24 10/100/1000BASE-T ports in a fixed 1U chassis for enterprise and campus access deployments that use separate endpoint power.

Dedicated Uplink and Stacking Interfaces

Four 1/10GbE SFP+ ports provide flexible fiber or direct-attach uplinks. Four 10/25GbE SFP28 ports support Virtual Chassis and high-speed interconnection.

Efficient 150W AC Power

The non-PoE model uses a JPSU-150-AC-AFO 150W AC supply, avoiding the larger power budget required by PoE variants.

Resilient Power and Cooling

The switch supports two load-sharing, hot-removable power supplies and two redundant hot-removable fan modules with front-to-back airflow.

Ten-Member Virtual Chassis

The EX4100 family supports up to ten switches in one logical Virtual Chassis, with a 200Gbps Virtual Chassis interconnect.

Junos OS and Mist Wired Assurance

Junos OS provides the switching and routing platform, while Mist Wired Assurance supports cloud-ready onboarding, provisioning, and operational visibility.

Campus Fabric and Security Features

The platform supports EVPN-VXLAN campus fabric functions, MACsec-enabled uplinks, VLANs, ACLs, LLDP, 802.1X, and Layer 2 and Layer 3 routing features documented for the EX4100 family.

Compact 1U Enterprise Design

A 1U chassis combines 24 Gigabit access ports, 1/10GbE uplinks, and 10/25GbE stacking ports for wiring closets and distributed campus access.

Technical Specifications

Product Specifications

Feature	Value
Product Model	EX4100-24T
Product Type	Fixed 1U Ethernet access switch
Operating System	Junos OS
Access Ports	24 × 10/100/1000BASE-T
Fixed Port Configuration	24 × 10/100/1000BASE-T + 4 × 1/10GbE SFP+ + 4 × 10/25GbE SFP28
Uplink Ports	4 × 1/10GbE SFP+
Virtual Chassis Ports	4 × 10/25GbE SFP28
Virtual Chassis Scale	Up to 10 switches
Virtual Chassis Interconnect	200Gbps
Management Port	1 × RJ-45 management port
Console Ports	1 × RJ-45 console port + 1 × USB Type-C console port
USB Port	1 × USB Type-A port
PoE Support	Not supported
Power Supply	JPSU-150-AC-AFO 150W AC power supply; one standard, two supported
Power Redundancy	1+1 load-sharing; hot-removable and hot-insertable

Feature	Value
Data Rate	164 Gbps unidirectional / 328 Gbps bidirectional
Packet Switching Capacity (64-byte packets)	164 Gbps unidirectional / 328 Gbps bidirectional
Throughput	244 Mpps (64-byte packets)
Traffic Monitoring	sFlow, IPFIX, and flow-based telemetry
QoS Queues per Port	12 total (8 multicast / 4 unicast)
MAC Addresses	64,000
Jumbo Frames	9216 bytes
IPv4 Unicast Host Routes	32.15K
IPv4 Unicast Route Prefixes	32.65K
IPv4 Multicast Routes	16.1K
IPv6 Unicast Host Routes	16.05K
IPv6 Unicast Route Prefixes	16.2K
IPv6 Multicast Routes	8K
ARP Entries	32K
VLAN IDs	4094
CPU	1.7GHz ARM CPU
DRAM	4GB ECC
Internal Storage	8GB
Cooling	2 × hot-removable fan modules; front-to-back airflow
Dimensions (W × H × D)	17.36 × 1.72 × 13.78 in (44.1 × 4.37 × 35 cm)
Depth with Power Supply Installed	15.05 in (38.24 cm)
Chassis Weight without Power Supply or Fan Module	9.72 lb (4.41 kg)
Fully Loaded Weight	12.95 lb (5.875 kg)
Operating Temperature	0°C to 45°C
Storage Temperature	−40°C to 70°C
Operating Humidity	5% to 90% noncondensing
Nonoperating Humidity	0% to 90% noncondensing
Operating Altitude	Up to 5,000 ft / 1,524 m
Nonoperating Altitude	Up to 16,000 ft / 4,876 m
Airflow Direction	Front-to-back (AFO)

Product Comparison

Feature	EX4100-24T	EX4100-24P	EX4100-48T
Access port configuration	24 × 10/100/1000BASE-T	24 × 10/100/1000BASE-T PoE+	48 × 10/100/1000BASE-T
Uplink ports	4 × 1/10GbE SFP+	4 × 1/10GbE SFP+	4 × 1/10GbE SFP+
Virtual Chassis ports	4 × 10/25GbE SFP28	4 × 10/25GbE SFP28	4 × 10/25GbE SFP28
PoE support	Not supported	IEEE 802.3at PoE+	Not supported
Maximum PoE budget	Not applicable	1440W with two PSUs	Not applicable
Data rate	164/328 Gbps	164/328 Gbps	188/376 Gbps
Throughput	244 Mpps	244 Mpps	279 Mpps
Virtual Chassis scale	Up to 10 switches	Up to 10 switches	Up to 10 switches
Power supply	1 × 150W AC PSU standard; 2 supported	1 × 920W AC PSU standard; 2 supported	1 × 150W AC PSU standard; 2 supported
Airflow	Front-to-back	Front-to-back	Front-to-back
Best-fit deployment	Non-PoE campus access	PoE campus access	High-density non-PoE access

Accessories

Category	Accessories
Included Accessories	- JPSU-150-AC-AFO 150W AC power supply
	- Detachable AC power cord for the installation region
Optional Accessories	- Additional JPSU-150-AC-AFO AC power supply for redundancy
	- SFP+ and SFP28 transceivers; optics sold separately

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USA Branch

35 E Horizon Ridge Pkwy, Ste 110 #30131, Henderson, NV 89002, USA

UK Branch

Third Floor, 207 Regent Street, London W1B 3HH, UK

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[2] Juniper Networks. (n.d.). EX4100 Hardware Specifications. Retrieved November 16, 2026, from https://apps.juniper.net/hct/product/EX4100/hwspecs