Juniper EX3400-24P

Datasheet

Product Overview

- The Juniper EX3400-24P is a fixed 1U Ethernet access switch for enterprise campus wiring closets and converged data, voice, and video networks.
- It provides 24 × 10/100/1000BASE-T PoE+ access ports for Gigabit endpoints such as wireless access points, IP phones, cameras, and other powered devices.
- Four 1/10GbE SFP/SFP+ uplinks and two 40GbE QSFP+ ports support high-speed aggregation and Virtual Chassis interconnection.
- The switch supports up to 30W per PoE+ port and a 370W budget with one 600W AC power supply, or 720W with two supplies installed.
- Its 288Gbps bidirectional switching capacity and 214Mpps throughput support demanding enterprise access-layer traffic.
- Junos OS, Juniper Mist Wired Assurance, field-replaceable power supplies, and front-to-back airflow support scalable campus deployments.

Product Highlights

- **24-Port PoE+ Access:** Twenty-four 10/100/1000BASE-T ports provide IEEE 802.3af/at PoE+ access with up to 30W per port.
- **High-Power PoE Budget:** A 600W AC power supply provides a 370W PoE budget, expandable to 720W with two power supplies.
- **1/10GbE and 40GbE Uplinks:** Four SFP/SFP+ ports and two QSFP+ ports support flexible upstream connectivity and high-speed aggregation.
- **Ten-Switch Virtual Chassis:** EX3400 uplink ports can be used for Virtual Chassis connections to manage up to ten switches as one logical device.

Detailed Features



EX3400-24P

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Component	Specification
Access Ports	24 × 10/100/1000BASE-T PoE+
Uplink Ports	4 × 1/10GbE SFP/SFP+ + 2 × 40GbE QSFP+
PoE Budget	370W with one 600W PSU; 720W with two 600W PSUs
Switching Capacity	144 Gbps unidirectional / 288 Gbps bidirectional
Virtual Chassis	Up to 10 switches

24-Port PoE+ Access

All 24 RJ-45 access ports support IEEE 802.3af/at PoE+, delivering up to 30W per port for powered campus and branch endpoints.

Expandable PoE Capacity

The EX3400-24P provides 370W with one 600W AC power supply and can reach 720W when a second supply is installed.

Flexible Uplink Architecture

Four dual-mode SFP/SFP+ ports support 1GbE or 10GbE, while two QSFP+ ports provide 40GbE connectivity for aggregation or chassis interconnection.

Front-to-Back Airflow

The EX3400-24P uses front-to-back airflow for wiring-closet and data-center access deployments with a matching airflow environment.

Virtual Chassis Scale

The EX3400 family supports up to ten interconnected switches managed as a single logical device through the uplink interfaces.

Redundant Field-Replaceable Power

The switch accepts two field-replaceable AC power supplies, supporting continued operation and higher available PoE capacity when configured with two units.

Junos OS and Mist Management

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

Enterprise Layer 2 and Layer 3

The platform supports VLANs, MACsec, link aggregation, spanning-tree features, static routing, RIP, OSPF, and IPv6 functions documented for the EX3400 family.

Technical Specifications

Product Specifications

Feature	Value
Product Model	EX3400-24P
Product Type	Fixed 1U Ethernet access switch
Operating System	Junos OS
Access Ports	24 × 10/100/1000BASE-T PoE+
Total 1GbE Port Density	30 (24 access ports + 4 SFP/SFP+ ports + 2 QSFP+ ports)
Uplink Ports	4 × 1/10GbE SFP/SFP+ + 2 × 40GbE QSFP+
Management Port	1 × RJ-45 management port
Console Ports	1 × RJ-45 console port + 1 × Mini USB Type B console port
USB Port	1 × USB Type-A port
PoE Standard	IEEE 802.3af/at PoE+
Maximum PoE Output per Port	30W
Maximum PoE Budget	370W with one 600W PSU; 720W with two 600W PSUs
Power Supply	JPSU-600-AC-AFO 600W AC power supply; two power supplies supported
Maximum System Power Consumption	110W without PoE power draw

Feature	Value
Data Rate	288 Gbps
Packet Switching Capacity (64-byte packets)	144 Gbps unidirectional / 288 Gbps bidirectional
Throughput	214 Mpps (wire speed)
Virtual Chassis	Up to 10 switches
Virtual Chassis Interconnect	10GbE or 40GbE uplink interfaces
Traffic Monitoring	sFlow
QoS Queues per Port	8 unicast / 4 multicast
MAC Addresses	32,000
Jumbo Frames	9216 bytes
IPv4 Unicast/Multicast Routes	36,000 / 4,000
IPv6 Unicast/Multicast Routes	18,000 / 2,000
VLANs	4,096; VLAN IDs 1–4094
ARP Entries	16,000
CPU	Dual-core 1GHz CPU
DRAM	2GB with ECC
Flash	2GB
Cooling	Field-replaceable fan modules; front-to-back airflow
Dimensions (W × H × D)	17.4 × 1.7 × 13.8 in (43.7 × 4.4 × 35 cm)
Chassis Depth without Power Supply	13.78 in (35 cm)
Chassis Depth with Power Supply	15.05 in (38.24 cm)
Chassis Weight without Power Supply or Fan Modules	9.97 lb (4.52 kg)
Operating Temperature	0°C to 45°C
Storage Temperature	−40°C to 70°C
Operating Humidity	10% to 85% noncondensing
Nonoperating Humidity	0% to 95% noncondensing
Operating Altitude	Up to 10,000 ft / 3,048 m
Nonoperating Altitude	Up to 16,000 ft / 4,877 m
Airflow Direction	Front-to-back

Product Comparison

Feature	EX3400-24P	EX3400-24T	EX3400-48P
Access port configuration	24 × 10/100/1000BASE-T PoE+	24 × 10/100/1000BASE-T	48 × 10/100/1000BASE-T PoE+
Uplink ports	4 × 1/10GbE SFP/SFP+ + 2 × 40GbE QSFP+	4 × 1/10GbE SFP/SFP+ + 2 × 40GbE QSFP+	4 × 1/10GbE SFP/SFP+ + 2 × 40GbE QSFP+
Maximum PoE budget	370W with one PSU; 720W with two	Not applicable	740W with one PSU; 1440W with two
Maximum PoE output per port	30W	Not applicable	30W
Data rate	288 Gbps	288 Gbps	336 Gbps
Throughput	214 Mpps	214 Mpps	250 Mpps
Virtual Chassis	Up to 10 switches	Up to 10 switches	Up to 10 switches
Power supply	1 × 600W AC PSU standard; 2 supported	1 × 150W AC PSU standard; 2 supported	1 × 920W AC PSU standard; 2 supported
Airflow	Front-to-back	Front-to-back	Front-to-back
Dimensions (W × H × D)	17.4 × 1.7 × 13.8 in	17.4 × 1.7 × 13.8 in	17.4 × 1.7 × 13.8 in
Best-fit deployment	PoE+ campus access with redundant power	Non-PoE campus access	High-density PoE+ access

Accessories

Category	Accessories
Included Accessories	- JPSU-600-AC-AFO 600W AC power supply
	- AC power cord for the installation region
Optional Accessories	- Additional JPSU-600-AC-AFO AC power supply for redundancy
	- EX-RMK rack-mount kit
	- EX-4PST-RMK adjustable four-post rack-mount kit
	- EX-WMK wall-mount kit with baffle
	- SFP/SFP+ and QSFP+ transceivers; optics sold separately

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[2] Juniper Networks. (n.d.). EX3400 Ethernet Switch Datasheet. Retrieved November 16, 2026, from https://www.juniper.net/content/dam/www/assets/datasheets/us/en/switches/ex3400-ethernet-switch-datasheet.pdf