Juniper EX2300-24MP

Datasheet

Product Overview

- The Juniper EX2300-24MP is a fixed 1U multigigabit access switch for enterprise campus, branch, and high-density wireless deployments.
- It combines 16 × 10/100/1000BASE-T PoE+ ports with 8 × 100/1000/2500BASE-T PoE+ ports, giving all 24 access ports PoE+ capability.
- Four built-in 1/10GbE SFP/SFP+ uplinks support upstream connectivity or Virtual Chassis interconnection.
- The switch provides a 380W PoE budget and up to 30W per access port for access points, phones, cameras, and other powered endpoints.
- Virtual Chassis can link up to four EX2300-24MP switches through an 80Gbps interconnect, while Junos OS and sFlow support management and monitoring.
- Its integrated AC power supply, side-to-side airflow, and compact 17.4 × 1.75 × 10.0 in chassis fit fixed access-layer deployments with mixed-speed endpoints.

Product Highlights

- **Mixed-Speed PoE+ Access:** Combines 16 Gigabit PoE+ ports with 8 multigigabit PoE+ ports for mixed-speed endpoint access.
- **2.5GbE Wireless Readiness:** Eight 100/1000/2500BASE-T PoE+ ports support higher-throughput wireless access points and other multigigabit devices.
- **10GbE Uplink and Virtual Chassis Support:** Four 1/10GbE SFP/SFP+ uplinks can provide network uplinks or connect compatible switches in a Virtual Chassis.
- **380W PoE Budget:** Provides a 380W total PoE budget with up to 30W per access port for powered edge devices.

Detailed Features



EX2300-24MP

Quote | Help

Component	Specification
Access Ports	16 × 10/100/1000BASE-T PoE+; 8 × 100/1000/2500BASE-T PoE+
Uplink Ports	4 × 1/10GbE SFP/SFP+
PoE Budget	380W; up to 30W per port
Data Rate	208 Gbps
Virtual Chassis	Up to 4 switches; 80Gbps interconnect

Mixed-Speed PoE+ Access

The EX2300-24MP combines 16 10/100/1000BASE-T PoE+ ports with 8 100/1000/2500BASE-T PoE+ ports. This layout lets access-layer deployments connect standard Gigabit endpoints and multigigabit wireless devices in the same chassis.

2.5GbE Wireless Readiness

The eight multigigabit copper ports support 100M, 1G, and 2.5G operation with PoE+. They are suited to wireless access points and other endpoints that can exceed standard Gigabit Ethernet speeds.

Four 1/10GbE Uplinks

Four SFP/SFP+ uplinks support 1GbE or 10GbE optics and can be used for upstream connections. The same uplinks can also be configured as Virtual Chassis ports when the deployment requires a logical switch cluster.

380W PoE Budget

The switch provides a 380W total PoE budget and up to 30W per access port. This supports powered access points, IP phones, cameras, and other IEEE 802.3at-compatible devices within the available power budget.

Virtual Chassis Scaling

Juniper documents an 80Gbps Virtual Chassis interconnect for linking up to four EX2300-24MP switches as one logical device. This simplifies management of compact access-layer switch groups.

Junos OS and Wired Assurance

The platform runs Junos OS and supports Wired Assurance for centralized visibility and management in compatible deployments. These capabilities help operators standardize access-switch operations.

Fixed 1U Deployment

The integrated power supply and fans are housed in a fixed 1U chassis measuring 17.4 × 1.75 × 10.0 inches. The compact depth supports rack or desktop access-layer placement where cabinet space is limited.

sFlow and Layer 3 Features

sFlow provides traffic monitoring, while the platform supports IPv4/IPv6 routing, VLANs, link aggregation, spanning-tree functions, and ACL-related controls documented for the EX2300 family.

Technical Specifications

Product Specifications

Feature	Value
Product Model	EX2300-24MP
Product Type	Fixed 1U multigigabit Ethernet access switch
Access Ports	16 × 10/100/1000BASE-T PoE+; 8 × 100/1000/2500BASE-T PoE+
Total Access Ports	24
Uplink Ports	4 × 1/10GbE SFP/SFP+
Management Port	1 × management Ethernet port
Console Port	1 × RJ-45 console port
USB Port	1 × USB port
PoE Standard	IEEE 802.3at PoE+
Maximum PoE Output per Port	30W
Maximum PoE Budget	380W
Data Rate	208 Gbps
Packet Switching Capacity (64-byte packets)	76 Gbps unidirectional / 152 Gbps bidirectional

Feature	Value
Throughput	154 Mpps (current EX2300 Multigigabit specifications)
Virtual Chassis	Up to 4 switches
Virtual Chassis Interconnect	80 Gbps
Operating System	Junos OS
Wired Assurance	Supported
Cloud Management	Supported
Traffic Monitoring	sFlow
QoS Queues per Port	8
MAC Addresses	16,000
Jumbo Frames	9216 bytes
IPv4 Unicast/Multicast Routes	4096 / 4096
IPv6 Unicast/Multicast Routes	2048 / 2048
VLANs	4093
ARP Entries	5000
CPU	1.25GHz ARM CPU
Flash	8GB
Cooling	3 built-in fans; side-to-side airflow
Power Supply	Integrated AC power supply
Maximum System Power Consumption	55W without PoE power draw
AC Input Voltage	100–240 VAC
AC Input Frequency	50/60 Hz nominal
Dimensions (W × H × D)	17.4 × 1.75 × 10.0 in (44.19 × 4.45 × 25.4 cm)
Weight	8.82 lb (4 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 13,000 ft / 4,000 m
Nonoperating Altitude	Up to 15,000 ft / 4,572 m

Product Comparison

Feature	EX2300-24MP	EX2300-48MP	EX2300-24P
Access port configuration	16 × 1G PoE+ + 8 × 1/2.5G PoE+	32 × 1G + 16 × 1/2.5G PoE+	24 × 1G PoE+
Total access ports	24	48	24
Uplink ports	4 × 1/10GbE SFP/SFP+	6 × 10GbE SFP/SFP+	4 × 1/10GbE SFP/SFP+
Maximum PoE budget	380W	740W	370W
Maximum PoE output per port	30W	30W	30W
Data rate	208 Gbps	264 Gbps	128 Gbps
Throughput	154 Mpps	196 Mpps	95 Mpps
Virtual Chassis	Up to 4 switches; 80Gbps interconnect	Up to 4 switches; 80Gbps interconnect	Up to 4 switches; 80Gbps interconnect
Dimensions (W × H × D)	17.4 × 1.75 × 10.0 in	17.4 × 1.75 × 14.5 in	17.4 × 1.75 × 12.2 in
Weight	8.82 lb (4 kg)	14.33 lb (6.5 kg)	9.89 lb (4.49 kg)
Best-fit deployment	Multigigabit PoE+ access and wireless APs	Higher-density multigigabit PoE+ access	Gigabit PoE+ access without multigigabit access ports

Accessories

Category	Accessories
Included Accessories	- AC power cord for the installation region
- Two mounting brackets and eight mounting screws	
- Power cord retainer clip	
Optional Accessories	- Wall-mount kit
- Four-post rack-mount kit	
- Serial-to-USB adapter when a laptop lacks a serial port	

Support & Warranty

24/7 Online Service

3-Year Premium Warranty

Professional Technical Support

100% Low Price Guarantee

100% Quality Assurance

100% Money Back Guarantee

About Us



Router-switch.com, headquartered in Hong Kong since 2002, has been a trusted global leader in ICT distribution for 20+ years. We provide cutting-edge networking, cybersecurity, data center, and AI solutions to meet evolving business needs. Our wide range includes products from top brands like Cisco, Arista, Aruba, Fortinet, Mellanox, and Huawei, ensuring access to the latest technology and innovations.

21,500+ global customers

600,000+ end-users

200+ countries & regions

20+ years experience

500+ global vendors

100,000+ SKUs available

700+ local sales experts

50-98% off global list prices

Contact Us

Email

Sales Inquiries: sales@router-switch.com
Expert Technical Support: ccie-support@router-switch.com
Cooperative Partnerships: partner@router-switch.com

Follow Us

Facebook: @Routerswitchdotcom
LinkedIn: Router-switch.com
X: @routerswitchcom
Instagram: @routerswitchdotcom

Phone

USA: +1-626-655-0998
Hong Kong: +852-25925389 / +852-25925411

Global Footprint

Global Warehouses & Service Centers Across Continents.



Global Branches

Hong Kong Branch

Rm 605, 6/F, Fa Yuen Comm Bldg, 75-77 Fa Yuen St, Mongkok, Kowloon, Hong Kong, China

Shenzhen Branch

Jingfeng Building, 1001 Shangbu South Road, Futian District, Shenzhen, China

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

References

[1] Juniper Networks. (2026). EX2300 Multigigabit Specifications. https://www.juniper.net/us/en/products/switches/ex-series/ex2300-multigigabit-switch/specs.html

[2] Juniper Networks. (2025). EX2300 Ethernet Switch Datasheet. https://www.juniper.net/content/dam/www/assets/datasheets/us/en/switches/ex2300-ethernet-switch-datasheet.pdf