

EX 2300-24T DATASHEET

Overview

The Juniper EX2300-24T is a compact, cost-effective Layer 2/3 Ethernet switch with 24 x 10/100/1000BASE-T ports and 4 x 1/10GbE SFP/SFP+ uplinks, ideal for small network environments like micro branches and retail that runs on Junos OS for consistent operation. It delivers high performance, security, and simplified management for converged data, voice, and video deployments.

QUICK SPEC

FIGURE 1 :APPEARANCE OF Ex2300-24T



TABLE 1: Quick Specs

SKU	Ex2300-24T
Backplane speed	80 Gbps
Data rate	128 Gbps
Throughput	95 Mpps (wire speed)
Ports	28 (24 host ports + four-port SFP/SFP+ uplinks)
Dimensions (W x H x D)	17.4 x 1.75 x 10.2 in (44.19 x 4.45 x 25.9 cm) 1 rack unit

Product Details

FIGURE 2 : FRONT PANEL OF Ex2300-24T



FIGURE 3 : BACK PANEL OF Ex2300-4T



Ex2300-24T Switch provides these features:

1.Innovative Design

Innovative, cost-effective switch design reduces cost and complexity, while unified management and automation tools consolidate system monitoring.

2.Eight QoS Queues

Eight QoS queues per switch port ensure proper prioritization of voice, video, and multiple levels of data traffic, with room to converge other networks, such as building automation and video security systems.

3.Virtual Chassis

EX2300 Virtual Chassis configurations operate as highly resilient unified systems, providing simplified management. Virtual Chassis technology connects up to four EX2300 switches to operate as a single logical device, reducing operational expenses and simplifying management.

4.Security Features

The Juniper EX2300 enforces 802.1X port-level access control for multiple devices and Layer 2-4 policy enforcement based on user identity, device type, machine posture, and location, determining access rights and duration. It applies authentication server attributes for network access, security, and QoS policies, and supports traffic mirroring for logging, monitoring, or threat detection. Integrated port security features like DHCP snooping, dynamic ARP inspection, and MAC limiting protect against spoofing, man-in-the-middle, and DoS attacks.

5. Managing AI-Driven Campus Fabric with the Juniper Mist Cloud

Claim, configure, and troubleshoot switches with a few clicks. Wired Assurance delivers better experiences for connected devices through AI-powered automation and service-level expectations (SLEs) with the Mist platform's AI engine and microservices cloud.

6. Junos OS System

The Juniper EX2300-24T switches run the same Junos OS as other Juniper EX Series, ensuring consistent control plane feature implementation. Junos OS uses a disciplined development process with a single source code and modular architecture for high availability, preventing system-wide failures. All products receive simultaneous software updates, with each release fully regression-tested to maintain existing capabilities, allowing customers to deploy updates confidently.

7.Enhanced Limited Lifetime Warranty

The EX2300 includes an enhanced limited lifetime hardware warranty that provides return-to-factory switch replacement for as long as the original purchaser owns the product. The warranty includes lifetime software updates, advanced shipping of spares within one business day, and 24x7 Juniper Networks Technical Assistance Center (JTAC) support for 90 days after the purchase date. Power supplies and fan trays are covered for a period of five years.

SPECIFICATION

EX2300-24T Switch Specification	
MODEL NUMBER	Ex2300-24T
FORM FACTOR	Fixed platform Virtual Chassis configuration consisting of up to four switches Junos Fusion Enterprise Satellite device
OPERATING SYSTEM	Junos OS
WEIGHT	7.25 lb (3.29 kg)
DIMENSIONS (W x H x D)	17.4 x 1.75 x 10.2 in (44.19 x 4.45 x 25.9 cm) 1 rack unit
BACKPLANE SPEED	80 Gbps
DATA RATE	128 Gbps
PORTS	28 (24 host ports + four-port SFP/SFP+uplinks)
FORWARDING RATE	95 Mpps (wire speed)
THROUGHPUT (PACKET SWITCHING CAPACITY)	64 Gbps (unidirectional) / 128 Gbps (bidirectional)
RESILIENCY	INTEGRATED POWER SUPPLY AND FANS
QUALITY-of-SERVICE (QoS)	8
MAC ADDRESSES	16,000
IPv4 UNICAST / MULTICAST ROUTES	4096 / 2048
IPv6 UNICAST / MULTICAST ROUTES	2048 / 1024
NUMBER OF VLANs	4093
ARP ENTRIES	1500
JUMBO FRAMES	9216 bytes
TRAFFIC MONITORING	sFlow
POWER CONSUMPTIONS	55 W (Input Power without PoE)
PoE	0
SWITCHING CAPABILITIES	Full layer 2 and basic Layer 3 capabilities
ACOUSTIC NOISE	34.2 DB

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