JNP:EX2300-C-12P Datasheet

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Overview

The Juniper Networks EX2300-C Ethernet Switch delivers a compact, silent, and power-efficient platform for low-density branch deployments and commercial access or enterprise workgroup environments outside the wiring closet.

Quick Specs

Figure 1 shows the appearance of EX2300-C-12P.

Table 1 shows the Quick Specs.

Product Code	EX2300-C-12P
Device Type	Switch - 12 ports - L3 - managed
Enclosure Type	Rack-mountable 1U
Flash Memory	2 GB
Power Device	Internal power supply
Power Provided	170 Watt

Product Details

Figure 2 shows the front panel of EX2300-C-12P.

Figure 3 shows the back panel of EX2300-C-12P.

EX2300-C-12P provides these features:

Junos Fusion Enterprise technology

Junos Fusion Enterprise technology provides automated network configuration and simplifies scalability for medium to large enterprise networks. Using the Juniper Networks EX9200 line of programmable switches as aggregation devices and EX2300-C switches as satellite nodes, Junos Fusion Enterprise technology can be deployed across a building to connect large numbers of switches in a fabric that can be managed as a single device.

Virtual Chassis technology

The EX2300-C supports Juniper's unique Virtual Chassis technology, enabling up to four interconnected EX2300-C switches to be managed as a single logical device and delivering a scalable, pay-as-you-grow solution for expanding network environments. The EX2300-C can also be connected to an existing Virtual Chassis configuration composed of EX2300 switches.

Simplified management and operations

Junos Fusion Enterprise dramatically simplifies EX2300-C management by enabling a large number of the switches to be managed from a single management interface when deployed as satellite devices. With features such as plugand-play deployment and rolling software upgrades, Junos Fusion Enterprise eliminates the need to individually manage every access switch in the enterprise network, leading to lower operational costs and overall lower TCO.

Easy provisioning

Auto-configuration and Auto-Image Install features allow the switches to be configured and imaged over the network using the Dynamic Host Configuration Protocol (DHCP) message exchange process. These features eliminate the need to stage devices prior to deployment, dramatically reducing operational expenses. Auto-configuration and Auto Image Install allow new branches and retail stores to rapidly deploy their networks, and they also enable software upgrades and security fixes to be performed at the touch of a button. A zero touch provisioning (ZTP) feature allows a DHCP server to push configuration details and software images to multiple switches at boot-up time.

Compare to Similar Items

Table 2 shows the comparison of EX2300-C-12P.

Module	EX2300-C-12P	EX2300-24T
Device Type	Switch - 12 ports - L3 - managed	Switch - 24 ports - L3 - managed
Enclosure Type	Rack-mountable 1U	Desktop, rack-mountable 1U
Flash Memory	2 GB	2 GB
Power Device	Internal power supply	Internal power supply
Power Provided	170 Watt	55 Watt

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Do you have any question about the **EX2300-C-12P**?

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Specification

EX2300-C-12P Specification

General	
Device Type	Switch - 12 ports - L3 - managed
Enclosure Type	Rack-mountable 1U
Subtype	Gigabit Ethernet
Ports	12 x 10/100/1000 (PoE+) + 2 x Gigabit SFP / 10 Gigabit SFP+
Power Over Ethernet (PoE)	PoE+
PoE Budget	124 W
Performance	Switching capacity: 64 Gbps | Throughput: 47 Mpps
Capacity	LAG groups: 128 | Maximum member ports per LAG: 8 | Multiple Spanning Tree Protocol instances: 64 | ARP entries: 1024 | IPv4 routes (Unicast): 512 | IPv4 hosts: 4096 | IPv4 routes (Multicast): 2048 | Maximum of neighboring networks: 750 | IPv6 routes (Unicast): 128 | IPv6 hosts: 2048 | IPv6 routes (Multicast): 1024 | QoS hardware queues per port: 8 | IGMP snooping entries: 1000 | Virtual interfaces (VLANs): 2048
MAC Address Table Size	16000 entries
Jumbo Frame Support	9216 bytes
Routing Protocol	RIP-1, RIP-2, OSPFv3, static IPv4 routing, static IPv6 routing, RIPng, CIDR
Remote Management Protocol	SNMP 1, RMON 1, RMON 2, SNMP, RMON 3, RMON 9, Telnet, SNMP 3, SNMP 2c, HTTP, HTTPS, TFTP, SSH, CLI
Encryption Algorithm	MD5, TLS, PEAP, TTLS
Authentication Method	RADIUS, TACACS+, Secure Shell v.2 (SSH2), Extensible Authentication Protocol (EAP)
Compliant Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.1D, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3af, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.1s, IEEE 802.3ah, IEEE 802.1ab (LLDP), IEEE 802.1ak, IEEE 802.3at, IEEE 802.1BR
Processor	1 x ARM: 1.25 GHz
RAM	2 GB
Flash Memory	2 GB
Expansion / Connectivity	
Interfaces	12 x 1000Base-T RJ-45 PoE+ | 2 x 10Gbit LAN SFP+ | 1 x serial management | 1 x 100Base-TX RJ-45 management
Power	
Power Device	Internal power supply
Power Provided	170 Watt
Power Consumption Operational	24 Watt
Miscellaneous	
Compliant Standards	TUV GS, CISPR 22 Class A, EN55024, CB, ICES-003 Class A, UL 60950-1 Second Edition, EN 60825-1, EN 60950-1 Second Edition, IEC 60950-1 Second Edition, VCCI Class A, EN 55022 Class A, FCC CFR47 Part 15 A, CAN/CSA C22.2 No. 60950-1 Second Edition, EN 300386
Dimensions	
Width	11 in

Depth	9.4 in
Height	1.7 in
Environmental Parameters	
Min Operating Temperature	32 °F
Max Operating Temperature	104 °F
Humidity Range Operating	10 - 85% (non-condensing)
Min Storage Temperature	-40 °F
Max Storage Temperature	158 °F
Humidity Range Storage	0 - 95% (non-condensing)

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