

Juniper Networks J2300/J4300/J6300 Services Router



The J-series Services Router delivers the advanced JUNOS modular operating system in a hardware platform ideal for smaller sites, including remote, branch, and regional offices. The modular JUNOS software runs many functions independently to deliver high levels of security, uptime and performance at reduced operations costs. J-series provides enterprises, government organizations, and research and education groups a forward-looking platform to build converged IP and IP/MPLS infrastructures to support a diverse set of networked applications.

Juniper Networks J2300/J4300/J6300 ¹	
Internet Protocols	
IPv4, IPv6, ISO CLNS	Yes
Routing and Multicast	
OSPF	Yes
BGP	Yes
RIPv2	Yes
Static routes	Yes
IS-IS	Yes
Multicast (IGMPv3, PIM, SDP, DVMRP, Source-specific)	Yes
MPLS	Yes
IP Address Management	
Static	Yes
DHCP	Yes
DHCP relay	Yes
Encapsulations	
Ethernet (MAC + Tagged)	Yes
PPP (Synch)	Yes
Frame Relay	Yes
HDLC	Yes
Serial (RS-232, RS-449, X.21, V.35, EIA-530)	Yes
802.1q support	Yes
MLPPP	Yes
MLFR (FRF.15, FRF.16)	Yes
PPPoE	Yes
Traffic Management	
Policing & Shaping	Yes
Class based queuing with prioritization	Yes
WRED	Yes
Queuing based on VLAN/DLCI/Interface/Bundles	Yes
Security	
Network attack detection	Yes
DOS & DDOS protections	Yes
Tunnels (GRE, IP in IP, IPSec)	Yes
DES (56-bit), 3DES (168 bit) encryption	Yes
MD5 and SHA-1 authentication	Yes
Prevent replay attack	Yes
Stateful firewall filters	Yes
Voice Support	
FRF.12	Yes
LFI	Yes
CRTF	Yes
High Availability	
VRRP	Yes
Graceful restart	Yes
Redundant interface	Yes

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System Management	
JUNOScope manager	Yes
J-Web browser interface	Yes
Service Deployment System (SDX)	Yes
JUNOScript XML API	Yes
JUNOS CLI (console, telnet, SSH)	Yes
SNMPv2 and SNMPv3	Yes
SLA and Measurement	
Real-time Performance Monitoring	Yes
Top talkers (sessions, packets, bandwidth usage)	Yes
J-Flow flow monitoring and accounting services	Yes
Logging and Monitoring	
Syslog	Yes
Traceroute	Yes
Administration	
External administrator database (RADIUS/LDAP/SecureID)	Yes
Auto Configuration	Yes
Configuration rollback	Yes
Rescue configuration with button	Yes
Commit confirm for changes	Yes
Auto Record for diagnostics	Yes
Software upgrades	Yes
Certifications	
Safety Certifications	UL, CUL, CSA, CB
EMC Certifications	FCC Part 15 Class B, BSMI Class B, CE class B, A-Tick Class B, VCCI Class B
FCC Part 68, Industry Canada CS-03	
ETSI EN-300386-2 Telecommunication Network Equipment Electromagnetic Compatibility Requirements	
Software Licenses	
J-Flow – Enables J-Flow features for flow monitoring and accounting services	
IPSec – Enables IPSEC features for VPNs	
Stateful Firewall Filters – Enables Stateful Firewall Filter features	
BGP Router Reflector – Enables advanced BGP features for provider networks	
Port Licenses³	
1-port Serial – Second license for 2-port Serial module	
1-port T1 – Second license for 2-port T1 module	
1-port E1 – Second license for 2-port E1 module	
1-port FE – Second license for 2-port FE module	

	Juniper Networks J2300	Juniper Networks J4300	Juniper Networks J6300
Platform			
Form factor	Fixed	Modular	Modular
Card slots	N/A	6 open slots	6 open slots
Memory min/max (DRAM)	256 MB / 1 GB	256 MB / 1 GB	256 MB / 1 GB
Memory slots	2	2	2
Compact flash min/max - primary	128 MB / 1GB	256 MB / 1GB	256 MB / 1GB
Compact flash min/max - secondary	N/A	128 MB / 1GB	128 MB / 1GB
ECC Memory	No	No	Yes
USB port for external storage	Yes	Yes	Yes
Mounting and rack size	desktop, wall, or rack (19 inch)	front or center rack (19 inch)	front or center rack (19 inch)
Interfaces			
LAN ports	2xFE fixed ports	2xFE fixed ports	2xFE fixed ports
Primary fixed interfaces ²	2xT1 or 2xE1 or 2xSerial (Opt. integrated ISDN BRI)	N/A	N/A
Physical Interface Modules (PIM) ²	N/A	2xT1, 2xE1, 2xSerial, 2xFE, 1xADSL, 4xISDN	2xT1, 2xE1, 2xSerial, 2xFE, DS3/E3, 1xADSL, 4xISDN
Physical			
Power supply	100-240V, 47-63Hz, 1/0.5A	100-240V, 47-63Hz, 1/0.5A	100-240V, 47-63Hz, 1/0.5A
Redundant power	No	No	Yes
Operating temperature	32 to 104 F, 0 to 40 C	32 to 104 F, 0 to 40 C	32 to 104 F, 0 to 40 C
Storage temperature	-40 to 158 F, -40 to 70 C	-40 to 158 F, -40 to 70 C	-40 to 158 F, -40 to 70 C
Relative humidity (operating)	5 to 95 % non-condensing	5 to 95 % non-condensing	5 to 95 % non-condensing
Weight	11.8 lbs	19.5 - 22.8 lbs	19.5 - 22.8 lbs
Height	1.75 inches	3.5 inches	3.5 inches
Width	17.25 inches	17.0 inches	17.0 inches
Depth	12.37 inches	19.25 inches	19.25 inches

Ordering Information

Platforms

J2300, 2xE1, 2xFE & 1xE1 Lic, 128M Cf, 256M Mem w/JUNOS -WW	J2300-1E2FEL-S-AC-EU/IT/UK/TAA
J2300, 2xSerial, 2xFE & 1xSerial Lic, 128M Cf, 256M Mem w/JUNOS -WW	J2300-1S2FEL-S-AC-AU/CH/EU/IT/JA/UK/US/TAA
J2300, 2xT1, 2xFE & 1xT1 Lic, 128M Cf, 256M Mem w/JUNOS -WW	J2300-1T2FEL-S-AC-AU/CH/JA/US/TAA
J2300, 2xE1 2xFE 1xBRI-S/T & 1xE1 Lic, 128M Cf, 256M Mem w/JUNOS -WW	J2300-1E2FE1BL-S-AC-AU/EU/IT/UK
J2300, 2xSerial 2xFE 1xBRI-S/T & 1xSerial Lic, 128M Cf, 256M Mem w/JUNOS -WW	J2300-1S2FE1BL-S-AC-AU/CH/EU/IT/JA/UK
J4300, 2xFE Lic, 256M Cf, 256M Mem w/JUNOS -WW	J4300-2FEL-S-AC-AU/CH/EU/IT/JA/UK/US/TAA
J6300, 2xFE Lic, 256M Cf, 256M Mem w/JUNOS -WW	J6300-2FEL-S-1AC-AU/CH/EU/IT/JA/UK/US/TAA

Pluggable Interface Modules (PIM)

2xSerial PIM, 1 port Serial License	JX-2Serial-1SL-S
2xT1 PIM, 1 port T1 License	JX-2T1-1T1L-RJ48-S
2xE1 PIM, 1 port E1 License	JX-2E1-1E1L-RJ48-S
1xDS3 PIM, 1 port DS3 License	JX-1DS3-S
2xFE PIM, 1 port FE License	JX-2FE-1FEL-TX-S
1xE3 PIM	JX-1E3-S
1xADSL Annex A PIM	JX-1ADSL-A-S
1xADSL Annex B PIM	JX-1ADSL-B-S
4xISDN BRI - S Interface	JX-4BRI-S-S
4xISDN BRI - U Interface	JX-4BRI-U-S

Compact Flash

128M Compact Flash	JX-CF-128M-S
256M Compact Flash	JX-CF-256M-S
512M Compact Flash	JX-CF-512M-S
1G Compact Flash	JX-CF-1G-S

Additional Memory

256M Memory for J2300	J2300-MEM-256M-S
512M Memory for J2300	J2300-MEM-512M-S
256M Memory for J4300	J4300-MEM-256M-S
512M Memory for J4300	J4300-MEM-512M-S
256M Memory for J6300	J6300-MEM-256M-S
512M Memory for J6300	J6300-MEM-512M-S

Licenses

IPSEC License for J2300	J2300-IPSEC-LTU
IPSEC License for J4300	J4300-IPSEC-LTU
IPSEC License for J6300	J6300-IPSEC-LTU
Stateful Firewall License for J2300	J2300-SFW-LTU
Stateful Firewall License for J4300	J4300-SFW-LTU
Stateful Firewall License for J6300	J6300-SFW-LTU
Advanced BGP License	JX-BGP-ADV-LTU
J-Flow License	JX-JFlow-LTU
One port E1 License	JX-1E1-LTU
One port Ethernet License	JX-1FE-LTU
One port Serial License	JX-1Serial-LTU
One port T1 License	JX-1T1-LTU

Accessories

EIA530 cable (DCE)	JX-CBL-EIA530-DCE
EIA530 cable (DTE)	JX-CBL-EIA530-DTE
RS232 cable (DCE)	JX-CBL-RS232-DCE
RS232 cable (DTE)	JX-CBL-RS232-DTE
RS449 cable (DCE)	JX-CBL-RS449-DCE
RS449 cable (DTE)	JX-CBL-RS449-DTE
V.35 cable (DCE)	JX-CBL-V.35-DCE
V.35 cable (DTE)	JX-CBL-V.35-DTE
X.21 cable (DCE)	JX-CBL-X.21-DCE
X.21 cable (DTE)	JX-CBL-X.21-DTE
AC Power Supply for J6300	J6300-PWR-AC-S

Software Updates

JUNOS for J-series - Domestic	JX-JUNOS-S
JUNOS for J-series - Worldwide	JX-JUNOS-WW-S

¹ Performance, capacity and features listed are based upon systems JUNOS 7.3 and may vary with other releases.

² Interface modules come with a 1-port license; license for second port optionally available.



**CORPORATE HEADQUARTERS
AND SALES HEADQUARTERS
FOR NORTH AND SOUTH AMERICA**
Juniper Networks, Inc.
1194 North Mathilda Avenue
Sunnyvale, CA 94089 USA
Phone: 888-JUNIPER (888-586-4737)
or 408-745-2000
Fax: 408-745-2100
www.juniper.net

EAST COAST OFFICE
Juniper Networks, Inc.
10 Technology Park Drive
Westford, MA 01886-3146 USA
Phone: 978-589-5800
Fax: 978-589-0800

**ASIA PACIFIC REGIONAL
SALES HEADQUARTERS**
Juniper Networks (Hong Kong) Ltd.
Suite 2507-11, Asia Pacific Finance Tower
Citibank Plaza, 3 Garden Road
Central, Hong Kong
Phone: 852-2332-3636
Fax: 852-2574-7803

**EUROPE, MIDDLE EAST, AFRICA
REGIONAL SALES HEADQUARTERS**
Juniper Networks (UK) Limited
Juniper House
Guildford Road
Leatherhead
Surrey, KT22 9JH, U. K.
Phone: 44(0)-1372-385500
Fax: 44(0)-1372-385501

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