JUNIPER NETWORKS

Wireless

INDOOR

AP45
Wi-Fi 6E
6-/5-/2.4-GHz
4x4:4SS
vBLE

AP43/43E
802.11ax
(Wi-Fi 6)
4×4 : 4SS

AP24
Wi-Fi 6E
2x2: 2SS
2.4/6 + 5-GHz

AP34
Wi-Fi 6E
6-/5-/2.4-GHz
5GHz: 4×4:4SS
2.4GHz: 2×2:2SS
Omni BLE

AP33
802.11ax
(Wi-Fi 6)
1x1/2.5/5/10G + 36x2.5G

AP12
802.11ax
(Wi-Fi 6)
2×2 : 2SS

OUTDOOR

AP63/63E
802.11ax
(Wi-Fi 6)
4×4: 4SS

Campus Switching

BRANCH-ACCESS

EX2300/EX2300 Multigigabit
24x or 48x GbE Port
4x10GbE/1GbE fix uplink
Multigig: up to 8/16 x 1/2.5G
Port combination
Virtual Chassis (4 devices/10G support)

CLOUD READY

EX4100
Cloud Ready Access
24x or 48x 1GbE
4 x 1/10GbE or 4 x 1/0/25GbE uplinks
Dual redundant power supplies/fans
EVPN-VXLAN access layer

EX4100-F
Fixed Cloud Ready Access
12x, 24x or 48x 1GbE
100M/1/2.5/5/10GbE or
4 x 1/10GbE uplinks
EVPN-VXLAN access layer

EX4400
12x10G + 36x1G or 24x or 48x 1G Port
12x1/2.5/5/10G + 36x2.5G
24x1/2.5/5/10G Port or
4x25G or 2x10G Uplink
2x100G Stacking Uplink
EVPN-VXLAN access layer

DISTRIBUTION CORE

EX4600
24x fiber 10GbE + 4x 40GbE 2x modules:
8 10GbE fiber or 4x40GbE
Redundant power supplies

EX4650
24x fiber 10GbE + 4x 40GbE 2x modules:
8 10GbE fiber or 4x40GbE
Redundant power supplies

EX9204/9208/9214
4/8/14-slot modular 1.6/4.8/13.2Tbps
1G/10G/40G/100G
Fully redundant 2 member VC

Network Automation

Apstra
Intent-based networking solution fully automates designing, building, deploying, and operating data center networks using closed-loop automation and assurance in single and multivendor environments.

Paragon Planner
Network planning and simulation tool provides in-depth network views, health audits, and scenario planning, without impacting your live network.

Paragon Pathfinder (formerly NorthStar Controller)
An SDN, traffic engineering controller, simplifies traffic engineering, making it easier for network operators to obtain the benefits provided by transport service paths, such as MPLS/RSVP, SR, and Network Slicing.

Paragon Active Assurance
Programmable test and monitoring solution to actively verify service quality across physical and multi-cloud networks.

Contrail Networking
Routing and Bridging, Load Balancing Security, and Multitenancy Elastic, Resilient VPN Gateway Services, High Availability Analytics Services, API Services

Paragon Insights
Highly automated, cloud-native data collection and analytics solution uses machine learning (ML) algorithms to provide coherent and actionable operational intelligence across network deployments.

Junos
Streams real-time performance data from your network devices to fuel performance analysis, service assurance, and troubleshooting tools.

Security Services

AppSecure
Identify and protect apps with per app control, app firewall, and SSL proxy to decrypt and monitor traffic

Content Security
Protect user against known threats including phishing, spyware, malware, ransomware, and more!

SecIntel
Threat Intelligence made actionable via infrastructure (SRX, MX, EX, QFX, Mist).

Secure Connect
VPN Client supporting remote workers on Win, MacOS, IOS, and Android

DDoS
Line-rate mitigation of Distributed Denial of Service attacks.

IDP/IPS
Prevent exploitation used by different network attack techniques, including exploit-based attacks aimed at app vulnerabilities.

ATP Cloud
Zero-Day & Advanced Malware protection. Juniper Threat Labs + customer telemetry deliver near real-time protections against unknown threats and malicious behaviors.

Security Director Cloud
Centralized management, analytics, and unified policy orchestration for network-wide visibility and enforcement.

SDN Solutions

Cloud-Native Contrail Networking (CN2)
Modernized to be Kubernetes native, CN2 delivers cloud-native, software defined networking (SDN) to automate VNF and CNF cloud networking under a single point of operations to achieve greater agility, flexibility, and improved economics.

Key features:
- Hybrid SDN for Kubernetes and OpenStack
- Security and service chaining
- Multicluster management / federation
- GitOps and CI/CD pipeline services

Mist AI Cloud Services

MARVIS VIRTUAL ASSISTANT
Mist AI comes to life with the industry's first virtual network assistant. Marvis helps IT teams get to answers with streamlined operations and simplified troubleshooting—helping to boost user experiences.

WAN ASSURANCE
Bring AI-driven insights for the WAN and branch into your Juniper secure SD-WAN solution, and shift the focus from network and application behavior to actual user experiences.

IOT ASSURANCE
Streamlines IT operations while securing network connections for headless IoT and BYOD devices.

WI-FI ASSURANCE
Make Wi-Fi predictable, reliable, and measurable. Automate operations, save time and money, and get unprecedented visibility into the Wi-Fi user experience.

PREMIUM ANALYTICS
Get network visibility and business insights to drive your digital transformation journey. Really understand business operations while overcoming the complex challenges associated with the influx of big data from network and client endpoints.

ASSET VISIBILITY
Make it easy to find critical assets and resources, with detailed location analytics at your fingertips. Our vBLE technology leverages the same infrastructure for engaging with mobile users, reducing the need for overlay sensors or physical beacons.

WIRED ASSURANCE
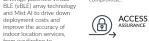Deliver better experiences for connected devices with AI-powered automation and service level. Leverage rich Junos telemetry from EX Switches to enable simpler operations, shorter time to repair, and improved visibility.

USER ENGAGEMENT
Leverage patented Virtual BLE (vBLE) array technology and Mist AI to drive down deployment costs and improve the accuracy of indoor location services, from wayfinding to location-based proximity notifications.

RISK PROFILING
Rapidly identify compromised devices, automate responses to events, and move to protect the network from further compromise.

ACCESS ASSURANCE
Enforces zero-trust network access policies for guest, IoT, BYOD, and corporate devices.

Data Center Switching

LEAF

QFX5110-48S/-32Q
48 x 1/10GbE SFP/SFP+ and
4 x 40/100GbE QSFP+/QSFP28
-32Q has 32 x 40GbE QSFP+;
20 x 40GbE QSFP+ and 4 x 100GbE QSFP28

LEAF / SPINE

QFX5120-48T
48 x 1/10GbE RJ-45 and
6 x 40/100GbE QSFP+/QSFP28

QFX5120-48Y/YM
48 x 1/10/25GbE SFP/SFP+ and
8 x 40/100GbE QSFP28/QSFP+
-YM has MAC-sec

QFX5120-32C
32 x 40/100GbE QSFP+/QSFP28 and
2 x 10GbE SFP+

SPINE

QFX5130-32CD
32 x 400GbE QSFP-DD/QSFP+/QSFP28 and
2 x 10GbE SFP+

LEAF / SPINE

QFX5200-32C/-S
32 x 40/100GbE QSFP+/QSFP28-S has ONIE and SONiC images preinstalled

QFX5210-64C/-S
64 x 40/100GbE QSFP+/QSFP28-S has ONIE and SONiC images preinstalled

SPINE

QFX5220-32CD
32 x 40/100/4000GbE QSFP56-DD and 2 x 10GbE SFP+

QFX5220-128C
128 x 100GbE QSFP28 and 2 x 10GbE SFP+

LEAF / SPINE

QFX5700
32 x 400GbE QSFP56-DD, 64 x 200GbE
128 x 100GbE, 144 x 50/40/25/10GbE

QFX10002
QFX10002-36Q: 36 x 40GbE QSFP+ or 12 x 100GbE QSFP28
QFX10002-72Q: 72 x 40GbE QSFP+ or 24 x 100GbE QSFP28
QFX10002-60C: 60 x 40/100GbE QSFP+/QSFP28

QFX10008/10016
Chassis Options:
QFX10008: 13 U chassis, up to 8 line cards
QFX10016: 21 U chassis, up to 16 line cards

Port Density:
QFX10000-30C-M: 30 x 100/40GbE, MACsec-enabled
QFX10000-30C: 30 x 100/40GbE
QFX10000-36Q: 36 x 40GbE or 12 x 100GbE
QFX10000-60S-6Q: 60 x 1/10GbE with 6 x 40GbE or 2 x 100GbE
QFX10000-12C-DWDM: 6 x 200Gbps

Session Smart SD-WAN

Session Smart Router
Service/User-Centric Fabrics for SD-WAN, SD-Branch Multi-Cloud, IoT
- Agile SW deployments: White box, DC edge, VNF, public cloud
- Session-based multipath routing
- Tunnel-free networking: 30-50% BW savings and greater scale than IPsec
- Fine grained session-based visibility and control
- Zero-trust secure routing: deny-by-default, network FW, adaptive encryption
- Bandwith subscriptions from 10Mbps to 100Gbps, 1Y, 3Y and 5Y terms

Session Smart Conductor
SD-WAN Orchestration and Management
- Single pane of glass network visibility
- Simple GUI and intent-based provisioning
- Global service and user/tenant policy
- Zero-touch provisioning
- Open APIs

Routing

CAMPUS / ACCESS LEAF / DC WAN / DCI / SPINE

MX204 Compact Router
Space and Energy efficiency
Sys Cap: 400Gbps
Multi-rate 4x100GbE, 4x40GbE, 24x10/1GbE ports
Full HQoS, 1588, SyncE
Space: 1 RU

MX240
Sys Cap: 3Tbps
SW Fab Cap 1.5Tbps
MPC,DPC/chassis 3
Chassis/rack 9

MX304
Throughput of 3.2Tbps to 4.8Tbps
Power & space efficiency – 2 RU
Density – 96 x 10/25GbE,
48 x 40/50/100, 12 x 400GbE
Rich multiservice edge, timing features

MX480
Sys Cap: 7.5Tbps
SW Fab Cap 1.5Tbps
MPC,DPC/chassis 6
Chassis/rack 6

MEDIUM DC / DC WAN/DCI / PEERING / SPINE/LEAF

MX960
Sys Cap: 12Tbps
SW Fab Cap 1.5Tbps
MPC,DPC/chassis 12
Chassis/rack 3

MX10004
Up to 38.4Tbps Capacity
4-slots
Dense 100GbE and 400GbE
800GbE ready
Rich multiservice edge, timing features

MX10008
Up to 76.8Tbps Capacity
8-slots
Optimized for 100GbE/400GbE Port Density
Power-Efficient, 800GbE Ready

Core and Peering Routers

LARGE DC / SERVICE PROVIDER / EDGE / CLOUD / CAMPUS / MOBILE SERVICES

PTX10004/PTX10008/PTX10016
Sys Cap:
4-, 8-, 16- slot modular platforms, up to 57.6, 115.2, 230.4Tbps capacity
High capacity LC1201 (14.4Tbps) and LC1202 (4.8Tbps) line cards
Dense 100/400GbE port density, Seamless 400G transitions
400GbE inline MACsec, 800GbE Ready

CORE / OPTICAL / METRO TRANSPORT

PTX10001-36MR
Sys Cap:
9.6Tbps (24 x 400GbE, 108 x 100GbE)
Power & space efficiency – 1 RU
400GbE inline MACsec

CORE / PEERING / DCI / CLOUD EDGE

PTX10003-160C
Sys Cap:
8-16Tbps (16-32 x 400GbE, 80-160 x 100GbE)
Compact high-density 3 RU platform
100GbE inline MACsec

Security - Next Generation Firewall

SMALL BRANCH

SRX300/SRX320
FW: 1.9Gbps
IPS: 200Mbps
VPN: 336Mbps
Session: 64k

MID-LARGE BRANCH

SRX340/SRX345
FW: 4.7Gbps/5Gbps
IPS: 400Mbps/600Mbps
VPN: 733Mbps/977Mbps
Session: 256k/375k

SRX380
FW: 20Gbps
IPS: 2Gbps
VPN: 4.4Gbps
Session: 380k

LARGE BRANCH

SRX550-M2
FW: 7Gbps
IPS: 800Mbps
VPN: 1Gbps
Session: 375k

CAMPUS EDGE

SRX1500
FW: 9.2Gbps
IPS: 3.3Gbps
VPN: 4.5Gbps
Session: 2M

SRX1600
FW: 24 Gbps
IPS: 21 Gbps
VPN: 5.5 Gbps
Session: 2M

SRX2300
FW: 35Gbps
IPS: 15Gbps
VPN: 12Gbps
Session: 5M

LARGE ENTERPRISE / DATA CENTER

SRX4100/4200
FW: 40Gbps/80Gbps
IPS: 13.9Gbps/27.7Gbps
VPN: 14.8Gbps/29.6Gbps
Session: 5M/10M

SRX4300
FW: 90Gbps
IPS: 45Gbps
VPN: 30Gbps
Session: 10M

SRX4600
FW: 400Gbps
IPS: 38Gbps
VPN: 75.26Gbps
Session: 60M

SRX4700
FW: 1.4Tbps
IPS: 110Gbps
VPN: 90Gbps
Session: 60M

SRX5400/5600/5800
FW: 960Gbps/1.44Tbps/3.36Tbps
IPS: 172Gbps/245Gbps/638Gbps
VPN: 188Gbps/269Gbps/699Gbps
Session: 91M/182M/338M

Cloud Metro Routers: ACX7000

ACCESS / PRE-AGGREGATION / AGGREGATION / LEAN EDGE / SPINE / LEAF / METRO CORE

ACX7024
Sys Cap 360G (24x1/10/25G + 4x100G),
Hardened, 1 RU

ACX7024X
Sys Cap 360G (24x1/10/25G + 4x100G),
Hardened, 1 RU

ACX7100-32C
Sys Cap: 4.8Tbps (32x40/100G + 4x400G),
1 RU

ACX7100-48L
Sys Cap: 4.8Tbps (48x10/25/50G + 6x400G),
1 RU

ACX7332
Sys Cap: 2.4Tbps PFE w/OP2 (Fixed Ports: 32x 1-25GbE, 8x 100GbE, 3x I/O Bays), 3RU

ACX7348
Sys Cap: 2.4Tbps (Fixed Ports: 48x 1-25GbE, 8x 100GbE, 3x I/O Bays), 3RU

ACX7509
Sys Cap: 4.8Tbps and oversubscribed (5 RU, 8 usable Slots). Supports 1/10/25/40/50/100/200/400G ports with 3 LC options

Next Gen Firewall

VIRTUAL APPLIANCES

vSRX/cSRX
Virtual Firewall / Container Based Firewalls Supporting virtual infrastructure and cloud initiatives for customers, these virtual SRX products deliver the same protections and capabilities as our physical appliances in virtual infrastructure. AWS, Azure, GCP, and more!

The cSRX/vSRX provides the same visibility and security of the award winning SRX appliances to virtual and container environments.

Uncompromised visibility, security, and application protection for any virtual environment need.

ON PREMISES

Secure Edge
Full-stack Secure Services Edge (SSE) capabilities to protect web, SaaS, and on-premises applications.

JATP
Advanced Threat Detection Secure Analytics Threat mitigation Machine Learning Performance: 2Gbps 80K detonations/day

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