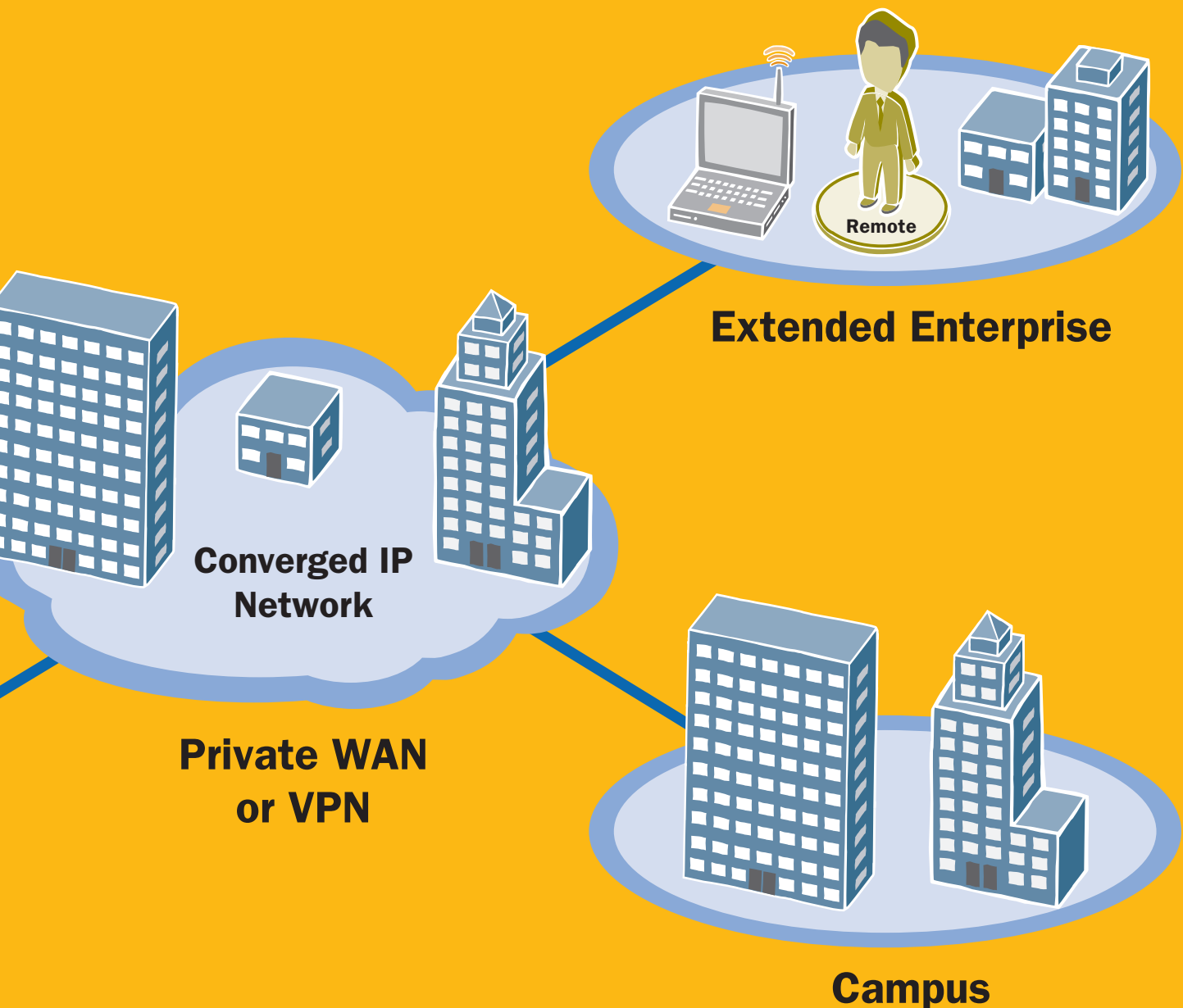


Juniper Networks Solution Portfolio for Enterprise Network Infrastructure

Drive down cost and complexity in your network while enjoying fast and consistent access to important network applications and services.



Network Infrastructure Solution Overview for Enterprises

Network infrastructure—the equipment and software that forms a unified communications system—are the building blocks for enterprise services, applications and electronic business processes. As more electronic communication and business processes go online, it is necessary to have a network infrastructure that can expand and change without disruption or excessive cost. Networks are also tools for innovation and the right network infrastructure can help you deliver services faster, improve productivity and help you gain a competitive edge.

This solution brochure provides an overview of the Juniper Networks enterprise network infrastructure solutions for branch offices, mobile workers, headquarters and data centers. This brochure also demonstrates how the network infrastructure solutions from Juniper Networks deliver the performance, reliability, security, and flexibility your business demands.

Challenges

As enterprises extend data, voice, and video communications and applications to a broader set of users, the volume and pace of electronic information flow is growing. At the same time, users expect reliable and predictable network performance, even as new applications are added to the network. IT departments are expected to implement and manage this increasingly complex network infrastructure at a reasonable cost.

Enterprise IT businesses are facing a dilemma to lead enterprise change to support new business models while being under pressure to reduce risk and control costs. An old design saying notes that a product can be delivered quickly, cost-effectively, or with all the required features, but you can only pick one. Until recently, this saying applied as well to the network infrastructure.

Trends

Enterprise business models are evolving. Distributed workforces, extended supply chains and business process outsourcing (BPO) are extending business networks to new geographies. Modern enterprises are also transitioning to real-time operations. Success is no longer based on what you know or who you know, but on what you share and how quickly you share it. Sharing accurate and up-to-date information with suppliers, partners or customers is becoming a strategic advantage and one of the primary drivers behind web applications and service-oriented architectures (SOA).

SOA and web-enabled applications do have some downsides, however. Both tend to increase traffic between locations, which can have an impact on end-user performance. Your enterprise network infrastructure must deliver the performance users expect, with the features and flexibility you need, at an operational cost you can live with.

Juniper Networks Solution Portfolio for Enterprise Network Infrastructure

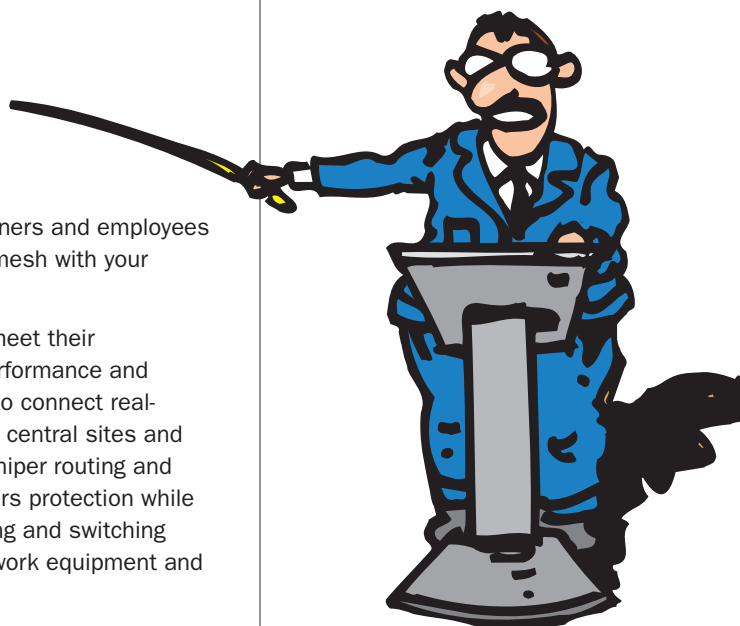
Juniper creates efficient, high-performance networking infrastructure solutions. If your network is reliable, fast, and has the features you need, you can seize opportunities to increase revenues, quickly deliver new services, and beat your competitors to market. Juniper network infrastructure solutions deliver high-performance and reliable connectivity without the need to re-engineer the network every time there is a new IT initiative. Plus, Juniper's commitment to standards, a common management infrastructure, and a common code base allows its solutions to integrate easily into existing networks. As a result your business gains:

- Improved productivity through fast and reliable network connectivity
- Improved user satisfaction by accelerating applications over the network
- Reduced network expenses by simplifying operations

Ensuring Fast, Reliable Network Connectivity

Your network infrastructure is the platform that connects your customers, partners and employees on a common medium. But how fast or reliable is your network? How does it mesh with your security needs?

Juniper's network infrastructure solutions help high-performance businesses meet their performance and availability metrics with new levels of security, availability, performance and operational simplicity. Juniper's routing and switching platforms are designed to connect real-time, critical applications and services to users in branch and regional offices, central sites and data centers. The JUNOS software operating system, which is part of every Juniper routing and switching platform, ensures high availability under adverse conditions and offers protection while under attack. You can also simplify your network operations with Juniper routing and switching platforms. Integrated VoIP) and security solution options help consolidate network equipment and reduce IT maintenance costs.



With standards-based products based on the same operating system that connects remote offices, branch offices, regional offices, central sites and data centers, Juniper's routing and switching solutions provide unmatched flexibility for the enterprise that is planning new IT innovations. Enterprises can roll out new applications without worrying about being affected by performance or security hits.

Accelerating Application Performance

The application performance a user experiences can be affected by where they are, which application or server they are accessing, or network availability and security. Most network infrastructure solutions cannot for all these factors and can't deliver the performance and availability that users expect, especially at remote locations.

Simply allowing remote or branch office workers and partners to access centralized business applications may not have the productivity boost you expect if users have to wait for server responses over wide-area links. For example, web-based applications consume up to ten times more bandwidth than client-server applications. Even client-server applications, which are optimized for LAN environments may be too slow if the server is miles away from the user; the inherent delay, or latency, leaves users frustrated and unproductive.

Juniper's best-in-class application acceleration solutions improve business application performance for enterprise users, while maintaining reliability, security and availability. Licensing options allow you to manage your network investment, choose the features you need and upgrade as needed. For users working from distant locations, these solutions dramatically improve application response times across the WAN. You can even dynamically prioritize certain application traffic depending on the needs of the user or your business. Plus, using network resources more efficiently reduces your expenses. Juniper's application acceleration solutions accelerate the broadest set of business software, support large scale deployments and provide unmatched visibility and management.

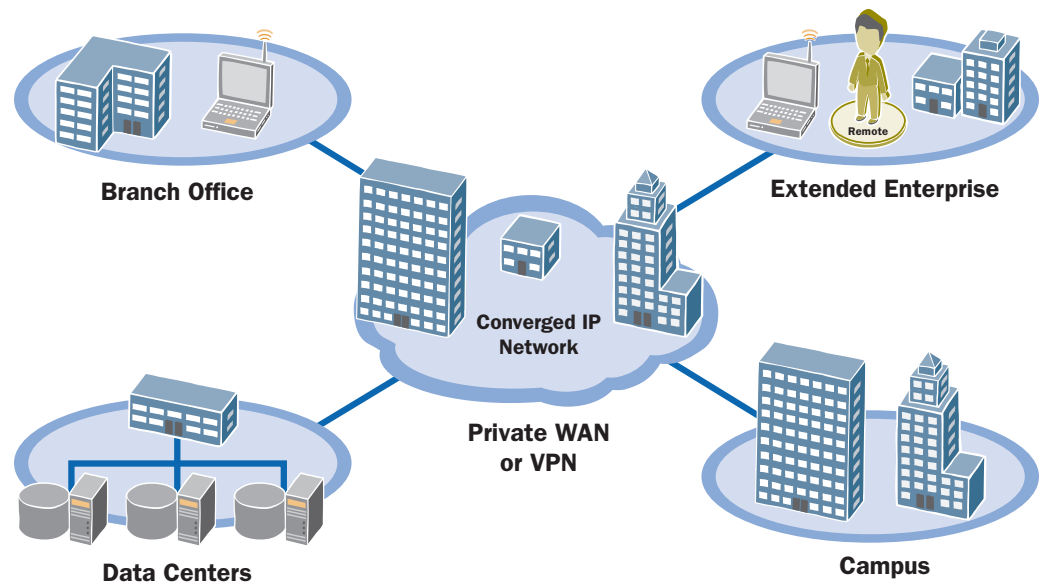


Figure 1. Enterprise Network Infrastructure Locations

Reducing Complexity and Cost through Operational Simplicity

For many businesses, merely keeping a network running can drain critical IT resources. Operating system software instabilities, multiple versions and types of operating systems, upgrades, proprietary standards, and legacy designs are all characteristics that make network infrastructure complex or difficult to manage. The more complex a network, the more likely errors will occur. Since human error is responsible for up to 80 percent of network downtime, businesses need to simplify their network infrastructure. Cost and agility are two more reasons to simplify networks. The cost and effort of maintaining existing networks makes it difficult for businesses to keep up with business growth and maintain operational expenses. Simplifying deployment and ongoing support will make expansion to new locations or groups of users faster, easier and more cost-effective.

Since its inception, Juniper has been helping its customers drive down the costs associated with building and maintaining networks. Juniper made its name in the industry with resilient, high-performance and standards-based routing platforms that improve business continuity while integrating more easily into existing networks and systems. This reliability, performance and flexibility is delivered by JUNOS software, the trusted operating system that runs all Juniper routing and switching platforms. This single code base is designed to streamline deployment, upgrades, and management. Independent research confirms that JUNOS software improves IT productivity by reducing the time spent monitoring, upgrading or adding services to the network. JUNOS software also reduces the frequency and duration of unplanned network events, which increases service availability. Finally, enterprises rely on Juniper to deliver infrastructure that can be managed and administered from central locations and easily deployed without extensive training or onsite support.

Network Infrastructure Solution Planning, Implementation, and Deployment

Performance Enabling Services and Support

Juniper Networks is the leader in performance-enabling services and support, which are designed to accelerate, extend, and optimize your high-performance network. Our services allow you to bring revenue-generating capabilities online faster so you can realize bigger productivity gains, faster rollouts of new business models and ventures, and greater market reach, while generating higher levels of customer satisfaction. At the same time, Juniper Networks ensures operational excellence by optimizing your network to maintain required levels of performance, reliability, and availability. For more details, please visit http://www.juniper.net/products_and_services/index.html

- **Technical Support:** Operational assistance to protect your high-performance business investment
- **Installation and Configuration:** A rapid, confident start for your high-performance, high-value network
- **Consulting Services:** Expert assistance to accelerate your network's value
- **Education Services:** Improved productivity and self-sufficiency of your technical staff

Achieve your Business Goals with the help of Juniper's Network Infrastructure Solutions

Worldwide, enterprises are leveraging Juniper solutions to achieve business goals, improve user productivity and satisfaction, and drive down the cost of operating and maintaining their network. Juniper's network infrastructure solutions can integrate easily into your branch or regional offices, data centers and headquarters or campus locations. For more information on accelerating your network connectivity and application performance while simplifying operations, please visit www.juniper.net.

Enterprise Network Infrastructure Solution Matrix

This matrix will show you which Juniper Networks solutions are appropriate for different enterprise locations.

Table 1: Enterprise Network Infrastructure Solution Matrix

	Infrastructure		Security			Policy and Management
	Routing	Switching	Firewall/VPN/UTM	Access Control	WAN Optimization	Policy and Management
Data Center	MX960	EX 4200-24T	ISG 2000 ¹	SA 6000	WXC 590 stack	IC 6000
	MX480	EX 4200-48T	ISG 1000 ¹	IC 6000	WXC 500 stack	IC 4000
	MX420	EX 4200-24F	NetScreen-5400	IC 4000	WX 60 stack	NSMCMS
	M320		NetScreen-5200		WXC 590	SBR
	M120 M10i				WXC 500 WX 100	
Campus	M10i	EX 4200-24T	ISG 2000 ¹	SA 6000	Typically no application acceleration needed in campus environment	IC 6000
	M7i	EX 4200-24T	ISG 1000 ¹	IC 6000		IC 4000
		EX 4200-48F	NetScreen-5400	IC 6000		NSM
		EX 4200-48T	5400	IC 4000		OAC
		EX 4200-24F	NetScreen-5200			SBR
		EX 3200-24P	IDP 1100			
		EX 3200-24T	IDP 600			
		EX 3200-48P EX 3200-48T				
Branch/ Regional Office	J6350 ²	EX 4200-24P	SSG 550	SA 2000	WXC 500	OAC
	J4350 ²	EX 4200-24T	SSG 520	SA 700	WXC 250	SBR
	J2350 ²	EX 4200-48P	SSG 140	IC 4000	WX 60	Provided from central location
	J2320 ²	EX 4200-48T	SSG 20 ³		WX 20	
		EX 4200-24F	SSG 5 ³		WX 15	
		EX 3200-24P	IDP 200			
		EX 3200-24T	IDP 50			
		EX 3200-48P EX 3200-48T				
Teleworker		SSG 20 ³ SSG 5 ³				
Extended Enterprise		Secure client access via SSL VPN				
Mobile Worker		OAC; Secure clientless access via SSL VPN				

¹Optional Integrated IDP

²Optional Integrated Avaya IG550 Media Gateway and Modules

³Optional Integrated Wireless

Services Portfolio

Technical Support	Installation and Configuration Services	Consulting Services	Education Services
<p>J-Care Technical Services</p> <ul style="list-style-type: none"> • J-Care Essential Services • J-Care Efficiency Services • J-Care Continuity Services • J-Care Agility Services <p>Resident Engineer</p> <ul style="list-style-type: none"> • Operations • Design 	<p>Startup Services</p> <ul style="list-style-type: none"> • Installation & Commissioning (Rack & Stack) • Engineering Furnish and Installation Service (EF&I) • QuickStarts (SSL, WX/WXC, FW Branch) <p>Conversion Services</p> <ul style="list-style-type: none"> • Vendor Introduction Program (VIP) • Juniper Enterprise Transition (JET) 	<p>Assessment and Analysis</p> <ul style="list-style-type: none"> • Security Assessment and Risk Mitigation • Routing Policy Optimization • Security Policy Optimization <p>Design and Planning</p> <ul style="list-style-type: none"> • Network Architecture and Design <p>Project Implementation</p> <ul style="list-style-type: none"> • Firewall Migrations • Router Migrations 	<p>Post Sales Certification</p> <ul style="list-style-type: none"> • JNCIS • JNCIA • JNCIP • JNCIE <p>Training Courses</p> <ul style="list-style-type: none"> • Juniper Delivered Training Information

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.
26/F, Cityplaza One
1111 King's Road
Taikoo Shing, Hong Kong
Phone: 852.2332.3636
Fax: 852.2574.7803

EUROPE, MIDDLE EAST, AFRICA
REGIONAL SALES HEADQUARTERS

Juniper Networks (UK) Limited
Building 1
Aviator Park
Station Road
Addlestone
Surrey, KT15 2PG, U.K.
Phone: 44.(0).1372.385500
Fax: 44.(0).1372.385501

Copyright 2008 Juniper Networks, Inc. All rights reserved. Juniper Networks, the Juniper Networks logo, NetScreen, and ScreenOS are registered trademarks of Juniper Networks, Inc. in the United States and other countries. JUNOS and JUNOSe are trademarks of Juniper Networks, Inc. All other trademarks, service marks, registered trademarks, or registered service marks are the property of their respective owners. Juniper Networks assumes no responsibility for any inaccuracies in this document. Juniper Networks reserves the right to change, modify, transfer, or otherwise revise this publication without notice.

About Juniper Networks

Juniper Networks, Inc. is the leader in high-performance networking. Juniper offers a high-performance network infrastructure that creates a responsive and trusted environment for accelerating the deployment of services and applications over a single network. This fuels high-performance businesses. Additional information can be found at www.juniper.net.



To purchase Juniper Networks solutions, please contact your Juniper Networks sales representative at 1-866-298-6428 or authorized reseller.