MAG SERIES JUNOS PULSE GATEWAYS

Product Overview

The challenge for today's technology leader is to build an infrastructure that provides accelerated, role-based secure access to the corporate network for all workers—road warriors, telecommuters, mobile workers, office workers, contractors, guests, partners, etc.—while minimizing costs. The Juniper Networks MAG Series Junos Pulse Gateways deliver SSL VPN connectivity, network access control (NAC) capability, and application acceleration for users in a single, purpose-designed gateway. The Junos Pulse unified client and gateway solution addresses the needs of today's mobile and nonmobile user, balancing performance and security while keeping hardware investment costs low.

Product Description

The Juniper Networks® MAG Series Junos® Pulse Gateways work in concert with the Juniper Networks Junos Pulse client to meet the secure remote access, LAN access, and application acceleration needs of enterprises from small to large. The MAG Series gateways achieve a revolutionary reduction in OpEx and CapEx costs for the enterprise with a secure connectivity infrastructure that increases application density, adds massive scale, and provides easily reprogrammable "personality" changes between the SSL VPN and NAC connectivity modes. This combination of gateway features and functionality with the Junos Pulse client and its built-in support for mobile devices, laptops, and desktops has been specifically designed to change the economics of the enterprise's secure access infrastructure.

Architecture and Key Components of the MAG Series Junos Pulse Gateways

The MAG Series Junos Pulse Gateways are offered in five models (Table 1) to meet the access and acceleration needs of companies of all sizes. In addition, the chassis models (MAG6610 and MAG6611) have service module options that allow for greater SSL VPN, NAC, or application acceleration scalability requirements.

Table 1: MAG Series Junos Pulse Gateway Platforms and Modules

Platforms	Description
MAG2600	• The MAG2600 Junos Pulse Gateway is designed to enable SSL VPN and Enterprise Guest Access capabilities for small and medium enterprises. With its quiet operation and tabletop form factor, the MAG2600 provides ultimate flexibility in deployment. • The MAG2600 comes with a single application engine in a fixed hardware configuration. It is designed to fulfill the niche of small to medium scale SSL VPN deployments of up to 100 concurrent users, or Enterprise Guest Access to networks and applications for up to 200 guest users. • The MAG2600's small form-factor design measures a sleek four by seven inches in size (4 x 7 in), and is one unit (1 U) in height; it can be mounted in a rack or even placed on a desk.
MAG4610	• The MAG4610 Junos Pulse Gateway is designed to enable secure access SSL VPN or Unified Access Control (UAC) network and application access and control capabilities for medium to large sized enterprises. • The MAG4610 supports either SSL VPN or UAC functionality in a fixed hardware configuration design. • The MAG4610 is a 1 U high, one-half rack width box which may be deployed side-by-side in a 1 U space. • The MAG4610 supports up to 1,000 concurrent SSL VPN or 5,000 concurrent UAC users.
MAG4611	• The MAG4611 Junos Pulse Gateway is specifically designed to enable application acceleration for medium to large sized enterprises. The MAG4611 supports application acceleration functionality In a fixed hardware configuration design. • The MAG4611 is a 1 U high, one-half rack width box which may be deployed side-by-side In a 1 U space. The MAG4611 supports application acceleration for up to 250 concurrent users.
MAG6610	• The MAG6610 Junos Pulse Gateway is designed to enable SSL VPN, UAC , or application acceleration for scalable, large enterprises. The MAG6610 supports service modules which can be mixed and matched in its two available service module slots. • The MAG6610 requires at least one service module to be ordered and installed (MAG-SM160 or MAG-SM360 for SSL VPN or UAC functionality or MAG-SM161 or MAG-SM361 for application acceleration functionality). The MAG6610 gateway also comes with chassis management single sign-on (SSO) functionality, which allows the network administrator to configure and manage all application service modules from one central console. • The MAG6610 gateway supports up to 20,000 concurrent SSL VPN users, 30,000 concurrent UAC users, or application acceleration for up to 2,000 concurrent users through its two available service module slots in a 1 U high form factor. • The MAG6610 includes a 560 W AC power supply. A DC power supply option is available as well.
MAG6611	• The MAG6611 Junos Pulse Gateway is designed to enable secure access SSL VPN, Unified Access Control, or application acceleration that meets the most demanding access needs of the largest enterprises. With MAG6611's support for four service modules, the enterprise has flexibility to mix and match the gateway configuration to suit its access requirements. • The MAG6611 requires at least one service module to be ordered and installed (MAG-SM160 or MAG-SM360 for SSL VPN or UAC functionality or MAG-SM161 or MAG-SM361 for application acceleration functionality). The MAG6611 gateway, through the Chassis Management Module option, offers chassis management SSO functionality which allows the network administrator to configure and manage all application service modules from one central console. • The MAG6611 gateway supports up to 40,000 concurrent SSL VPN users, up to 60,000 concurrent UAC users, or application acceleration for up to 4,000 concurrent users through its four available service module slots in a 2 U high form factor. • The MAG6611 includes a 750 W AC power supply, and an additional power supply can be ordered for redundancy. A DC power supply option is available as well.

Modules	Description
MAG-SM160 and MAG-SM360 Service Modules for SSL VPN or UAC	• The MAG-SM160 service module supports up to 1,000 SSL VPN or up to 5,000 Unified Access Control concurrent users. The MAG-SM360 service module supports up to 10,000 SSL VPN concurrent users or up to 15,000 UAC concurrent users. • Up to two service modules (any combination) can be installed in the MAG6610 and up to four (any combination) in the MAG6611 gateways. The service module hard disk drives for MAG-SM360 are available as field replaceable units to increase network uptime.
MAG-SM161 and MAG-SM361 Service Modules for Application Acceleration	• The MAG-SM161 service module supports application acceleration for up to 250 concurrent users. The MAG-SM361 service module supports application acceleration for up to 1,000 concurrent users. • Up to two of the service modules for application acceleration (any combination) can be installed in the MAG6610 and up to four (any combination) in the MAG6611 gateways. The service module hard disk drives for MAG-SM361 are available as field replaceable units to increase network uptime.
MAG-CM060 Chassis Manager Module	• MAG-CM060 is the chassis manager module that is only orderable with at least one service module (MAG-SM160, MAG-SM360, MAG-SM161, or MAG-SM361). The chassis manager module uses a dedicated reserved slot in the service module. • Up to two MAG-CM060 chassis management modules can be installed in two service modules, but only one can be active.
MAG-PS661, MAG-PS664, MAG-PS662, and MAG-PS663 Power Supply Modules	• The MAG-PS661 module is a 560 W AC power supply module included with the MAG6610 gateway. Only one power supply module is needed per chassis. A spare MAG-PS664 560 W DC power supply module is available for the MAG6610. • The MAG-PS662 is a 750 W AC power supply module included with the MAG6611 gateway. An additional MAG-PS662 module may be installed in the MAG6611 gateway for redundancy capability. A spare MAG-PS663 750 W DC power supply module is available for the MAG6611.

Table 2: MAG Series Junos Pulse Gateways Hardware Matrix

	MAG2600	MAG4610	MAG4611	MAG6610	MAG6611
Fixed or Modular Design	Fixed	Fixed	Fixed	Modular; up to two service modules can be installed	Modular; up to four service modules can be installed
Functionality	SSL VPN or Enterprise Guest Access; both modes cannot be used at the same time	SSL VPN or UAC; both modes cannot be used at the same time	Application acceleration capability only	SSL VPN, UAC, or application acceleration mode per service module (depending on module option below)	SSL VPN, UAC, or application acceleration mode per service module (depending on module option below)
Service Module Options	None	None	None	MAG-SM160 MAG-SM360 MAG-SM161 MAG-SM361	MAG-SM160 MAG-SM360 MAG-SM161 MAG-SM361
Maximum Support	Supports up to 100 SSL VPN users or 200 Enterprise Guest Access users	Supports up to 1,000 SSL VPN concurrent users or 5,000 UAC concurrent users	Application acceleration support for up to 250 concurrent users	Supports up to 20,000 concurrent SSL VPN users or 30,000 concurrent UAC users with two MAG-SM360 modules Application acceleration support for up to 2,000 concurrent users with two MAG-SM361 modules	Supports up to 40,000 SSL VPN concurrent users or 60,000 concurrent UAC users with four MAG-SM360 modules Application acceleration support for up to 4,000 concurrent users with four MAG-SM361 modules
Management Module	None	None	None	MAG-CM060 chassis management module	MAG-CM060 chassis management module

Features and Benefits

Table 3: MAG Series Junos Pulse Gateways Features and Benefits

Feature	Benefit
Single client, single gateway	The MAG Series Junos Pulse Gateways in conjunction with the Junos Pulse client lower OpEx and CapEx costs dramatically, because they reduce the number of management and software installation updates required on corporate issued and personal devices used by employees. In large environments, the gateways replace multiple hardware devices with a single converged device, further bringing down costs.
High density modular design	Modular design of the MAG Series allows the service modules to be mixed and matched to suit changing enterprise requirements in a flexible form factor.
Massive scalability	The MAG Series can be used for as small as a 100 concurrent user SSL VPN deployment and up to a 40,000 concurrent SSL VPN user large deployment, or a 200 concurrent user Enterprise Guest Access environment and up to a 60,000 concurrent user UAC large deployment. And, the MAG Series can also deliver application acceleration to as little as 25 concurrent users, and as many as up to 4,000 concurrent users for a large deployment.
Junos Pulse	Simplified, integrated, multiservice network client works in concert with the MAG Series to enable optimized anytime, anywhere access to corporate data from mobile and nonmobile devices alike.
Cross-platform support	SSL VPN capabilities allow users to access corporate resources from any type of device (i.e., notebooks, netbooks, smartphones, tablet devices, other mobile devices, etc.) using nearly any type of operating system (Microsoft Windows, Apple Mac OS, Linux, Apple iOS, Google Android, Nokia Symbian, Microsoft Windows Mobile, etc.).
Leverages existing security infrastructure	Existing backend data stores and directories such as Microsoft Active Directory or Lightweight Directory Access Protocol (LDAP) in customer networks can be leveraged for authentication and authorization, simplifying network administration and maintenance.

Features and Benefits (continued)

User License (Common Access License)

With the introduction of the MAG Series Junos Pulse Gateways, common access licenses are now available as user licenses. With common access licensing, licenses can either be used for SSL VPN user sessions or NAC user sessions. Please see the Ordering Information section for more details.

For administrative ease of use when it comes to license counts, each license only enables as many users as specified in the license, and the licenses are additive. For example, if a 100 user license was originally purchased and the concurrent user count grows over the next year to exceed that amount, simply adding another 100 user license to the system will now allow for up to 200 concurrent users.

Junos Pulse Application Acceleration License

The Junos Pulse Application Acceleration license enables application acceleration for remote users. The Junos Pulse Application Acceleration license is offered in a concurrent user model. Currently, it supports six license options. Up to 25, 50, 100, 250, 500, or 1,000 concurrent user options are available for application acceleration service capability on the MAG Series. Also, there is a limit to the maximum number of Junos Pulse Application Acceleration licenses that may be supported on certain MAG Series models:

- A single MAG4611 Junos Pulse Gateway will support application acceleration for up to 250 concurrent users.
- The MAG-SM161 service module (for the MAG6610 or MAG6611 Junos Pulse Gateway chassis) will support application acceleration for up to 250 concurrent users.
- The MAG-SM361 service module (for the MAG6610 or MAG6611 chassis) will support application acceleration for up to 1,000 concurrent users.

High Availability Clustering Capability (No Additional License Required)

Customers have the ability to build clusters without buying any additional licenses. The clustering method can be explained in two simple steps.

1) Simply place an equal number of user ("-ADD") licenses on each box.

2) When they are joined together to form a cluster, all of the user licenses add up so that the cluster can now support all of the licensed users. For example, building a 1,000-user cluster is done by bringing together two boxes with 500 user licenses in each of the two units.

Clustering features stateful peering and failover across the LAN, so in the unlikely event that one unit fails, system configurations (such as authentication server, authorization groups, and bookmarks), user profile settings (such as user-defined bookmarks and cookies), and user sessions are preserved. Failover is seamless, so there is no interruption to user/enterprise productivity, no need for users to log in again, and no downtime.

Here are the clustering options for the MAG Series:

1) MAG2600 can be clustered in a pair.

2) MAG4610 can be clustered in a pair.

3) For MAG6610, you can cluster two service modules in a pair (assuming any two service modules are installed in the chassis, either the MAG-SM160 or MAG-SM360).

4) For MAG6611, you can cluster two service modules in a pair, either using the MAG-SM160 or MAG-SM360. To cluster three or four service modules will require the MAG-SM360 service modules in the chassis.

Please note that WAN clustering is not supported on the MAG Series. Multi-site clustering is supported, however, provided the sites are on a campus network with LAN-like connectivity.

Junos Pulse Services for the MAG Series

Junos Pulse Secure Access Service

Enterprises and service providers have the difficult challenge of providing location- and device-independent network connectivity that is secure and capable of limiting resource access to authorized users. Breaches and threats continue to spiral out of control, and employees and users are seeking to use—or are encouraged by their employers to use—their own personal smartphones, and mobile and computing devices to access the enterprise network, applications, and corporate data, making this challenge even more difficult. Juniper Networks Junos Pulse Secure Access Service is a simple, intuitive service that provides secure, authenticated network and application access for remote and mobile users via SSL VPN from any web-enabled device to corporate resources—anytime and anywhere. Junos Pulse Secure Access Service uses SSL, the security protocol found in all standard Web browsers. The use of SSL eliminates the need for preinstalled client software, changes to internal servers, and costly ongoing maintenance and desktop support. The Junos Pulse Secure Access Service leverages the award-winning, market-leading Juniper Networks SA Series SSL VPN capabilities.

Junos Pulse Secure Access Service includes Juniper Networks Junos Pulse, a dynamic, integrated, multiservice network client for mobile and nonmobile devices. Junos Pulse enables optimized, accelerated anytime, anywhere access to corporate networks and data. It enables secure SSL VPN access from a wide range of mobile and nonmobile devices such as smartphones, tablet devices, netbooks, notebooks, desktops, Wi-Fi, or 3G-enabled devices. Junos Pulse delivers improved productivity and secure, ubiquitous access to corporate data and applications.

For more details on Junos Pulse, please visit **www.juniper.net/us/en/products-services/software/junos-platform/junos-pulse**. For further details about the features and license options of Junos Pulse Secure Access Service, please view the Secure Access Service datasheet on the MAG Series webpages.

Features and Benefits (continued)

Junos Pulse Access Control Service

Junos Pulse Access Control Service enables safe, protected cloud and network access for mobile and nonmobile devices, whether they are remote or local. It provides network access control (NAC) services across the enterprise, delivering a standards-based, comprehensive, network and application access control solution. The combination of the Junos Pulse client and the Junos Pulse Access Control Service delivers identity-based, location-aware, granular access control, as well as robust endpoint security and integrity checks. The Junos Pulse Access Control Service leverages the robust user identity, location and device based network and application access control capabilities found in the Juniper Networks Unified Access Control (UAC) solution. When deployed in conjunction with MAG Series gateways, Junos Pulse and the Junos Pulse Access Control Service delivers fast, secure, anytime, anywhere network access, with the ability to automatically migrate from one type of access (such as secure remote access) to another (local network and application access control) based on the user's location.

Junos Pulse, which is included with the Junos Pulse Access Control Service, delivers global identity-aware networking, complete with security and access control policies that follow users around the globe—regardless of how, from where, or from what device (smartphones, tablet devices, mobile devices) they are attempting network and application access. All user session data is shared in

MAG Series gateways and service modules via the Trusted Network Connect (TNC) Interface for Metadata Access Point (IF-MAP) standard, enabling a seamless authentication flow.

For further details about the features and license options of Junos Pulse Access Control Service, please view the Access Control Service datasheet on the MAG Series webpage.

Junos Pulse Application Acceleration Service

Junos Pulse Application Acceleration Service, which is enabled through the MAG Series Junos Pulse Gateways, provides speedy, role-based application acceleration. It increases remote user productivity and user experience by accelerating network and application access. It is an ideal solution for mobile and telecommuting employees, remote/branch offices, SMBs, and partner and contractor personnel.

Remote access and application acceleration provided through a single client (Junos Pulse) and through a single gateway (MAG Series) simplifies deployment and lowers maintenance costs. Junos Pulse Application Acceleration Service easily integrates into existing SSL VPN deployments through provisioning from the Junos Pulse Secure Access Service running on the MAG Series Gateways. Junos Pulse Application Acceleration Service currently enables application acceleration on devices running Windows XP, Windows Vista, or Windows 7.

MAG2600   MAG4610   MAG4611

MAG6610   MAG6611

Specifications

	MAG2600	MAG4610	MAG4611	MAG6610	MAG6611
Dimensions and Power					
Dimensions (W x H x D)	4.31 x 1.65 x 7.73 in (10.95 x 4.2 x 19.64 cm)	8.63 x 1.75 x 21.50 in (21.92 x 4.45 x 54.61 cm)	8.63 x 1.75 x 21.50 in (21.92 x 4.45 x 54.61 cm)	17.31 x 1.75 x 27.25 in (43.97 x 4.45 x 69.22 cm)	17.31 x 3.5 x 27.25 in (43.97 x 8.89 x 69.22 cm)
Weight	1.98 lb (900 g)	11.5 lb (5.2 kg)	11.5 lb (5.2 kg)	21 lb (9.5 kg)	31 lb (14.1 kg)
Rack mountable	Yes, with optional tray	Yes	Yes	Yes	Yes
A/C power supply	100-240 VAC, 1A 50-60 Hz, 30 W maximum	100-240 VAC, 1A 50-60 Hz, 70 W maximum	100-240 VAC, 1A 50-60 Hz, 70 W maximum	MAG-PS661 power supply: 100-240 VAC, 8A 50-60 Hz, 560 W maximum	MAG-PS662 power supply: 100-240 VAC, 10A 50-60 Hz, 750 W maximum
System battery	CR2032 3 V lithium coin cell	CR2032 3 V lithium coin cell	CR2032 3 V lithium coin cell	CR2032 3 V lithium coin cell	CR2032 3 V lithium coin cell

Specifications (continued)

	MAG2600	MAG4610	MAG4611	MAG6610	MAG6611
Dimensions and Power (continued)					
Efficiency	80% or greater at full load	80% or greater at full load	80% or greater at full load	80% or greater at full load	80% or greater at full load
Material	Aluminum	Steel	Steel	Steel	Steel
MTBF	212 khrs	142 khrs	142 khrs	707 khrs	428 khrs
LEDs	Power, HDD activity, hardware alert	Power, HDD activity, hardware alert	Power, HDD activity, hardware alert	On MAG Service Module: Power, HDD activity, hardware alert	On MAG Service Module: Power, HDD activity, hardware alert
Ports	• RJ45 serial (console port) • Two RJ45 Ethernet 10/100/1000 (traffic) • USB	• RJ45 serial (console port) • Three RJ45 Ethernet 10/100/1000 (traffic) • USB	• RJ45 serial (console port) • Three RJ45 Ethernet 10/100/1000 (traffic) • USB	On MAG Series Service Module: • RJ45 serial (console port) • Three RJ45 Ethernet 10/100/1000 (traffic) • USB	On MAG Series Service Module: • RJ45 serial (console port) • Three RJ45 Ethernet 10/100/1000 (traffic) • USB
Environment					
Operating temperature	41º through 104º F (5º through 40º C)	41º through 104º F (5º through 40º C)	41º through 104º F (5º through 40º C)	41º through 104º F (5º through 40º C)	41º through 104º F (5º through 40º C)
Storage temperature	-40º through 158º F (-40º through 70º C)	-40º through 158º F (-40º through 70º C)	-40º through 158º F (-40º through 70º C)	-40º through 158º F (-40º through 70º C)	-40º through 158º F (-40º through 70º C)
Relative humidity (operating)	8% - 90% noncondensing	8% - 90% noncondensing	8% - 90% noncondensing	8% - 90% noncondensing	8% - 90% noncondensing
Relative humidity (storage)	5% - 95% noncondensing	5% - 95% noncondensing	5% - 95% noncondensing	5% - 95% noncondensing	5% - 95% noncondensing
Altitude (operating)	10,000 ft maximum	10,000 ft maximum	10,000 ft maximum	10,000 ft maximum	10,000 ft maximum
Altitude (storage)	40,000 ft maximum	40,000 ft maximum	40,000 ft maximum	40,000 ft maximum	40,000 ft maximum
Certifications					
Safety certifications	EN 60950-1: 2006 (2nd Edition); CAN/CSA-C22.2 No. 60950-1 (2007); UL 60950-1 (2nd Ed.)	EN 60950-1: 2006 (2nd Edition); CAN/CSA-C22.2 No. 60950-1 (2007); UL 60950-1 (2nd Ed.)	EN 60950-1: 2006 (2nd Edition); CAN/CSA-C22.2 No. 60950-1 (2007); UL 60950-1 (2nd Ed.)	EN 60950-1: 2006 (2nd Edition); CAN/CSA-C22.2 No. 60950-1 (2007); UL 60950-1 (2nd Ed.)	EN 60950-1: 2006 (2nd Edition); CAN/CSA-C22.2 No. 60950-1 (2007); UL 60950-1 (2nd Ed.)
Emissions certifications	EN 55022 (CISPR 22): 2006 +A1:2007; (ACMA) AS/NZS CISPR 22: 2006; FCC Part 15 Subpart B; Industry Canada ICES-003 Issue 4, February 2004; and VCCI V-3/2009.04 and V-4/2009.04 ETSI EN 300 386 V1.4.1 (2008-04) for a Class A Device	EN 55022 (CISPR 22): 2006 +A1:2007; (ACMA) AS/NZS CISPR 22: 2006; FCC Part 15 Subpart B; Industry Canada ICES-003 Issue 4, February 2004; and VCCI V-3/2009.04 and V-4/2009.04 ETSI EN 300 386 V1.4.1 (2008-04) for a Class A Device	EN 55022 (CISPR 22): 2006 +A1:2007; (ACMA) AS/NZS CISPR 22: 2006; FCC Part 15 Subpart B; Industry Canada ICES-003 Issue 4, February 2004; and VCCI V-3/2009.04 and V-4/2009.04 ETSI EN 300 386 V1.4.1 (2008-04) for a Class A Device	EN 55022 (CISPR 22): 2006 +A1:2007; (ACMA) AS/NZS CISPR 22: 2006; FCC Part 15 Subpart B; Industry Canada ICES-003 Issue 4, February 2004; and VCCI V-3/2009.04 and V-4/2009.04 ETSI EN 300 386 V1.4.1 (2008-04) for a Class A Device	EN 55022 (CISPR 22): 2006 +A1:2007; (ACMA) AS/NZS CISPR 22: 2006; FCC Part 15 Subpart B; Industry Canada ICES-003 Issue 4, February 2004; and VCCI V-3/2009.04 and V-4/2009.04 ETSI EN 300 386 V1.4.1 (2008-04) for a Class A Device
Warranty	90 days (Can be extended with support contract)	90 days (Can be extended with support contract)	90 days (Can be extended with support contract)	90 days (Can be extended with support contract)	90 days (Can be extended with support contract)

Juniper Networks Services and Support

Juniper Networks is the leader in performance-enabling services that are designed to accelerate, extend, and optimize your high-performance network. Our services allow you to maximize operational efficiency while reducing costs and minimizing risk, achieving a faster time to value for your network. Juniper Networks ensures operational excellence by optimizing the network to maintain required levels of performance, reliability, and availability. For more details, please visit **www.juniper.net/us/en/products-services**.

Ordering Information

Model Number	Description
MAG2600 Base System	
MAG2600 Base System	MAG2600 Junos Pulse Gateway for SSL VPN and Guest Access
MAG2600 User Licenses (Common Access Licenses)	
ACCESSX600-ADD-10U	Add 10 simultaneous users to MAG2600 (for SSL VPN only)
ACCESSX600-ADD-25U	Add 25 simultaneous users to MAG2600 (for SSL VPN only)
ACCESSX600-ADD-50U	Add 50 simultaneous users to MAG2600 (for SSL VPN only)
ACCESSX600-ADD-100U	Add 100 simultaneous users to MAG2600 (for SSL VPN only)
MAGX600-GUEST-ACCESS	Guest Access License for MAG2600 (for Enterprise Guest Access only)
MAG4610 Base System	
MAG4610 Base System	MAG4610 fixed configuration Junos Pulse Gateway for SSL VPN users or NAC users
MAG4610 User Licenses (Common Access Licenses)	
ACCESSX600-ADD-10U	Add 10 simultaneous users to MAG4610
ACCESSX600-ADD-25U	Add 25 simultaneous users to MAG4610
ACCESSX600-ADD-50U	Add 50 simultaneous users to MAG4610
ACCESSX600-ADD-100U	Add 100 simultaneous users to MAG4610
ACCESSX600-ADD-250U	Add 250 simultaneous users to MAG4610
ACCESSX600-ADD-500U	Add 500 simultaneous users to MAG4610
ACCESSX600-ADD-1000U	Add 1,000 simultaneous users to MAG4610
ACCESSX600-ADD-2000U	Add 2,000 simultaneous users to MAG4610
ACCESSX600-ADD-2500U	Add 2,500 simultaneous users to MAG4610
ACCESSX600-ADD-5000U	Add 5,000 simultaneous users to MAG4610
MAG4611 Base System	
MAG4611 Base System	Fixed configuration MAG4611 Junos Pulse Gateway for application acceleration
MAG4611 Application Acceleration Licenses	
ACCEL-PULSE-25U	Junos Pulse Application Acceleration license for up to 25 concurrent users
ACCEL-PULSE-50U	Junos Pulse Application Acceleration license for up to 50 concurrent users
ACCEL-PULSE-100U	Junos Pulse Application Acceleration license for up to 100 concurrent users
ACCEL-PULSE-250U	Junos Pulse Application Acceleration license for up to 250 concurrent users
MAG6610 Base System	
MAG6610 Base System	MAG6610 Junos Pulse Gateway for SSL VPN or NAC users; includes MAG-PS661 560 W AC power supply. Must order at least one service module (MAG-SM160 or MAG-SM360)

Model Number	Description
MAG6610 Modules	
MAG-SM160	Service module for MAG6610 or MAG6611 that supports 1,000 SSL VPN or 5,000 NAC users
MAG-SM360	Service module for MAG6610 or MAG6611 that supports 10,000 SSL VPN or 15,000 NAC users
MAG-SM161	Service module for MAG6610 or MAG6611 that provides application acceleration for up to 250 concurrent users
MAG-SM361	Service module for MAG6610 or MAG6611 that provides application acceleration for up to 1,000 concurrent users
MAG-CM060	Management module for MAG6610 or MAG6611; only orderable with at least one service module, and a maximum of one management module can be ordered per chassis
MAG6610 User Licenses (Common Access Licenses)	
ACCESSX600-ADD-10U	Add 10 simultaneous users to MAG6610
ACCESSX600-ADD-25U	Add 25 simultaneous users to MAG6610
ACCESSX600-ADD-50U	Add 50 simultaneous users to MAG6610
ACCESSX600-ADD-100U	Add 100 simultaneous users to MAG6610
ACCESSX600-ADD-250U	Add 250 simultaneous users to MAG6610
ACCESSX600-ADD-500U	Add 500 simultaneous users to MAG6610
ACCESSX600-ADD-1000U	Add 1,000 simultaneous users to MAG6610
ACCESSX600-ADD-2000U	Add 2,000 simultaneous users to MAG6610
ACCESSX600-ADD-2500U	Add 2,500 simultaneous users to MAG6610
ACCESSX600-ADD-5000U	Add 5,000 simultaneous users to MAG6610
ACCESSX600-ADD-7500U	Add 7,500 simultaneous users to MAG6610
ACCESSX600-ADD-10KU	Add 10,000 simultaneous users to MAG6610
ACCESSX600-ADD-15KU	Add 15,000 simultaneous users to MAG6610
ACCESSX600-ADD-20KU	Add 20,000 simultaneous users to MAG6610
ACCESSX600-ADD-25KU	Add 25,000 simultaneous users to MAG6610
MAG6610 Junos Pulse Application Acceleration Licenses	
ACCEL-PULSE-25U	Junos Pulse Application Acceleration license for up to 25 concurrent users
ACCEL-PULSE-50U	Junos Pulse Application Acceleration license for up to 50 concurrent users
ACCEL-PULSE-100U	Junos Pulse Application Acceleration license for up to 100 concurrent users
ACCEL-PULSE-250U	Junos Pulse Application Acceleration license for up to 250 concurrent users
ACCEL-PULSE-500U	Junos Pulse Application Acceleration license for up to 500 concurrent users
ACCEL-PULSE-1KU	Junos Pulse Application Acceleration license for up to 1,000 concurrent users

Model Number	Description
MAG6611 Base System	
MAG6611 Base System	MAG6611 chassis Junos Pulse Gateway for SSL VPN or NAC users (includes MAG-PS662 750 W AC power supply); must order at least one service module (MAG-SM160 or MAG-SM360)
MAG6611 Modules	
MAG-SM160	Service module for MAG6610 or MAG6611 that supports 1,000 SSL VPN or 5,000 NAC users
MAG-SM360	Service module for MAG6610 or MAG6611 that supports 10,000 SSL VPN or 15,000 NAC users
MAG-SM161	Service module for MAG6610 or MAG6611 that provides application acceleration for up to 250 concurrent users
MAG-SM361	Service module for MAG6610 or MAG6611 that provides application acceleration for up to 1,000 concurrent users
MAG-CM060	Management module for MAG6610 or MAG6611; only orderable with at least one service module and a maximum of one management module can be ordered per chassis
MAG6611 User Licenses (Common Access Licenses)	
ACCESSX600-ADD-10U	Add 10 simultaneous users to MAG6611
ACCESSX600-ADD-25U	Add 25 simultaneous users to MAG6611
ACCESSX600-ADD-50U	Add 50 simultaneous users to MAG6611
ACCESSX600-ADD-100U	Add 100 simultaneous users to MAG6611
ACCESSX600-ADD-250U	Add 250 simultaneous users to MAG6611
ACCESSX600-ADD-500U	Add 500 simultaneous users to MAG6611
ACCESSX600-ADD-1000U	Add 1,000 simultaneous users to MAG6611
ACCESSX600-ADD-2000U	Add 2,000 simultaneous users to MAG6611
ACCESSX600-ADD-2500U	Add 2,500 simultaneous users to MAG6611
ACCESSX600-ADD-5000U	Add 5,000 simultaneous users to MAG6611
ACCESSX600-ADD-7500U	Add 7,500 simultaneous users to MAG6611
ACCESSX600-ADD-10KU	Add 10,000 simultaneous users to MAG6611
ACCESSX600-ADD-15KU	Add 15,000 simultaneous users to MAG6611
ACCESSX600-ADD-20KU	Add 20,000 simultaneous users to MAG6611
ACCESSX600-ADD-25KU	Add 25,000 simultaneous users to MAG6611

Model Number	Description
MAG6611 Junos Pulse Application Acceleration Licenses	
ACCEL-PULSE-25U	Junos Pulse Application Acceleration license for up to 25 concurrent users
ACCEL-PULSE-50U	Junos Pulse Application Acceleration license for up to 50 concurrent users
ACCEL-PULSE-100U	Junos Pulse Application Acceleration license for up to 100 concurrent users
ACCEL-PULSE-250U	Junos Pulse Application Acceleration license for up to 250 concurrent users
ACCEL-PULSE-500U	Junos Pulse Application Acceleration license for up to 500 concurrent users
ACCEL-PULSE-1KU	Junos Pulse Application Acceleration license for up to 1,000 concurrent users
MAG Series Accessories	
MAG-PS260	Spare/replacement external "brick" power supply for MAG2600
MAG-PS661	Spare 560 W AC power supply module for MAG6610
MAG-PS664	Spare 560 W DC power supply module for MAG6610
MAG-PS662	Spare/additional 750 W AC power supply module for MAG6611
MAG-PS663	Spare 750 W DC power supply module for MAG6611
MAG-HD060	Field replaceable spare HDD for MAG-SM360 service module
MAG-HD361	Field replaceable spare HDD for MAG-SM361 service module
MAG-FT060	Spare fan tray for MAG6610 or MAG6611
MAG-RK1U4	Rack kit to place four MAG2600 gateways side-by-side in a rack
MAG-RK1U2	Rack kit to mount 2 MAG46xx units side-by-side in a rack or when included rack kit is lost or damaged
MAG-RK1U	Replacement rack kit for MAG6610
MAG-RK2U	Replacement rack kit for MAG6611

About Juniper Networks

Juniper Networks is in the business of network innovation. From devices to data centers, from consumers to cloud providers, Juniper Networks delivers the software, silicon and systems that transform the experience and economics of networking. The company serves customers and partners worldwide. Additional information can be found at **www.juniper.net**.