



PORTABLE PRODUCT SHEETS - VPN

Table 1. Cisco Product Matrix and Feature Benefits for Site-to-Site and Remote-Access VPN

	Site-to-Site VPN	IPSec Remote-Access VPN	Web (SSL) Remote-Access VPN
Cisco PIX Security Appliances	Y	Y	N
Cisco VPN 3000 Series	Y	Y	Y
Cisco IOS Routers*	Most feature-rich	Y	Y
Cisco ASA 5500 Series	Y	Most feature-rich	Most feature-rich

* WebVPN on IOS Routers is model dependent. Not all models support WebVPN.

Table 2. VPN 3000 Concentrators

	VPN 3002	VPN 3005	VPN 3015	VPN 3020***	VPN 3030***
Maximum IPSec Remote-Access Users	253**	100 (32 MB) 200 (64 MB)	100	750	1,500
Maximum Site-to-Site Tunnels	1	100	100	250	500
Maximum WebVPN (SSL VPN) Users	-	10 (32 MB) 50 (64 MB)	75	200	100 (128 MB) 200 (256 MB) 500 (512 MB)
Encryption Throughput*	2.2 Mbps	4 Mbps	4 Mbps	50 Mbps	50 Mbps
	VPN 3060***	VPN 3080***			
Maximum IPSec Remote-Access Users	5,000	10,000			
Maximum Site-to-Site Tunnels	1,000	1,000			
Maximum WebVPN (SSL VPN) Users	200 (256 MB) 500 (512 MB)	200 (256 MB) 500 (512 MB)			
Encryption Throughput*	100 Mbps	100 Mbps			

* Throughput numbers based on binary files or files that require less inspection and processing.

** Refers to the number of devices on a single network behind the Cisco VPN 3002 hardware client.

*** WebVPN numbers based on SEP-E installed.

Table 3. PIX 500 Series*

	PIX 501***	PIX 506E***	PIX 515E	PIX 525	PIX 535
Maximum Throughput (cleartext)	60 Mbps	100 Mbps	190 Mbps	330 Mbps	1.7 Gbps
Maximum IPSec Remote-Access Users**	10	25	2,000	2,000	2,000
Maximum Site-to-Site Tunnels**	10	25	2,000	2,000	2,000
3DES Performance	3 Mbps	16 Mbps	63 Mbps (VAC) 135 Mbps (VAC+)	72 Mbps (VAC) 145 Mbps (VAC+)	100 Mbps (VAC) 425 Mbps (VAC+)
AES Performance**	4.5 Mbps (128 bit)	30 Mbps (128 bit) 25 Mbps (256 bit)	130 Mbps (128 bit) 130 Mbps (256 bit)	135 Mbps (128 bit) 135 Mbps (256 bit)	495 Mbps (128 bit) 425 Mbps (256 bit)

* WebVPN is not supported on the PIX 500 series.

** IPSec remote-access, site-to-site and AES performance numbers based on usage of VAC+ with PIX 515E, 525 and 535 models.

*** PIX 501 DES performance of 6 Mbps and PIX 506E DES performance of 20 Mbps.

Table 4. ASA 5500 Series (version 7.2.2)*

	ASA 5505	ASA 5510	ASA 5520	ASA5540	ASA 5550
Maximum IPSec Remote-Access Users	10 (Base) 25 (Plus)	250	750	5,000	5,000
Maximum Site-to-Site Tunnels	10 (Base) 25 (Plus)	250	750	5,000	5,000
Maximum WebVPN (SSL VPN) Users**	25	250	750	2,500	5,000
VPN Throughput	100 Mbps	170 Mbps	225 Mbps	325 Mbps	425 Mbps
Concurrent Sessions	10,000 (Base) 25,000 (Plus)	50,000 (Base) 130,000 (Plus)	280,000	400,000	650,000
Concurrent Sessions / Second	3,000	6,000	9,000	20,000	28,000

* IPSec remote-access users, site-to-site tunnels and WebVPN user numbers are concurrent TOTAL number of VPN connections allowed (IPSec + site-to-site + WebVPN) supported on the device.

** There are 2 WebVPN licenses included with each platform.

Table 5. IOS Routers

	SOHO 90	830	850	870	1700****
Maximum IPSec Remote-Access Users	8	10	5	10	100
Maximum Site-to-Site Tunnels	8	10	5	10	100
Maximum WebVPN (SSL VPN) Users*	-	-	-	2	-
3DES Performance	1 Mbps	7 Mbps	8 Mbps	30 Mbps	15 Mbps
AES Performance	-	2 Mbps	8 Mbps	30 Mbps	-
	1800 (Fixed)	1841	2600XM**	2691**	2801
Maximum IPSec Remote-Access Users	50	100 (Base) 800 (AIM-VPN)	800	800	150 (Base) 1,500 (AIM-VPN)
Maximum Site-to-Site Tunnels	50	100 (Base) 800 (AIM-VPN)	800	800	150 (Base) 1,500 (AIM-VPN)
Maximum WebVPN (SSL VPN) Users*	10 (Only in 1811)	25	-	-	25
3DES Performance	40 Mbps	45 Mbps (Base) 95 Mbps (AIM-VPN)	22 Mbps	150 Mbps	50 Mbps (Base) 100 Mbps (AIM-VPN)
AES Performance	40 Mbps	45 Mbps (Base) 95 Mbps (AIM-VPN)	22 Mbps	150 Mbps	50 Mbps (Base) 100 Mbps (AIM-VPN)
	2811	2821	2851	3700**	3825
Maximum IPSec Remote-Access Users	200 (Base) 1,500 (AIM-VPN)	250 (Base) 1,500 (AIM-VPN)	300 (Base) 1,500 (AIM-VPN)	2,000	500 (Base) 2,000 (AIM-VPN)
Maximum Site-to-Site Tunnels	200 (Base) 1,500 (AIM-VPN)	250 (Base) 1,500 (AIM-VPN)	300 (Base) 1,500 (AIM-VPN)	2,000	500 (Base) 2,000 (AIM-VPN)
Maximum WebVPN (SSL VPN) Users*	50	50	75	75	100
3DES Performance	55 Mbps (Base) 130 Mbps (AIM-VPN)	56 Mbps (Base) 140 Mbps (AIM-VPN)	66 Mbps (Base) 145 Mbps (AIM-VPN)	190 Mbps	170 Mbps (Base) 175 Mbps (AIM-VPN)
AES Performance	55 Mbps (Base) 130 Mbps (AIM-VPN)	56 Mbps (Base) 140 Mbps (AIM-VPN)	66 Mbps (Base) 145 Mbps (AIM-VPN)	190 Mbps	170 Mbps (Base) 175 Mbps (AIM-VPN)

	3845	7200VXR***	7301***
Maximum IPSec Remote-Access Users	700 (Base) 2,500 (AIM-VPN)	5,000	5,000
Maximum Site-to-Site Tunnels	700 (Base) 2,500 (AIM-VPN)	5,000	5,000
Maximum WebVPN (SSL VPN) Users*	100	150	150
3DES Performance	180 Mbps (Base) 185 Mbps (AIM-VPN)	280 Mbps	379 Mbps
AES Performance	180 Mbps (Base) 185 Mbps (AIM-VPN)	280 Mbps	379 Mbps

* Each IOS router capable of supporting WebVPN comes with 2 trial users with the 12.4(6)T software release (Base IP feature set does NOT include this functionality). WebVPN functionality is NOT supported on any mainline train as of yet. The 870 is non-upgradeable from 2 WebVPN users. Licenses are honor-based paper licenses.

** 2600XM, 2691 and 3700 numbers are based on AIM-VPN installed.

*** 7200VXR (NPE-G1) and 7301 numbers are based on SA-VAM2+ installed.

**** 1700 numbers based on VPNSM installed.

CISCO SYSTEMS



Corporate Headquarters

Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA
www.cisco.com
Tel: 408 526-4000
800 553-NETS (6387)
Fax: 408 526-4100

European Headquarters

Cisco Systems International
BV
Haarlerbergpark
Haarlerbergweg 13-19
1101 CH Amsterdam
The Netherlands
www-europe.cisco.com
Tel: 31 0 20 357 1000
Fax: 31 0 20 357 1100

Americas Headquarters

Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA
www.cisco.com
Tel: 408 526-7660
Fax: 408 527-0883

Asia Pacific Headquarters

Cisco Systems, Inc.
168 Robinson Road
#28-01 Capital Tower
Singapore 068912
www.cisco.com
Tel: +65 6317 7777
Fax: +65 6317 7799

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