



APPENDIX **A**

Feature Licenses

This appendix describes feature licenses per model. This appendix includes the following sections:

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Note

Items that are in italics are separate, optional licenses that you can replace the base license. You can mix and match licenses, for example, the 10 security context license plus the Strong Encryption license; or the 500 Clientless SSL VPN license plus the GTP/GPRS license; or all four licenses together.

ASA 5505 Feature Licenses

Table A-1 ASA 5505 Adaptive Security Appliance License Features

ASA 5505	Base License		Security Plus	
Users, concurrent ¹	10	<i>Optional Licenses:</i>	10	<i>Optional Licenses:</i>
		50 <i>Unlimited</i>		50 <i>Unlimited</i>
Security Contexts	No support		No support	
VPN Sessions ²	10 combined IPSec and Clientless SSL VPN		25 combined IPSec and Clientless SSL VPN	
Max. IPSec Sessions	10		25	
Max. Clientless SSL VPN Sessions	2	<i>Optional License: 10</i>	2	<i>Optional License: 10</i>
VPN Load Balancing	No support		No support	

Table A-1 ASA 5505 Adaptive Security Appliance License Features (continued)

ASA 5505	Base License		Security Plus	
TLS Proxy for SIP and Skinny Inspection	Supported		Supported	
Failover	No support		Active/Standby (no stateful failover)	
GTP/GPRS	No support		No support	
Maximum VLANs/Zones	3 (2 regular zones and 1 restricted zone that can only communicate with 1 other zone)		20	
Maximum VLAN Trunks	No support		Unlimited	
Concurrent Firewall Conns ³	10 K		25 K	
Max. Physical Interfaces	Unlimited, assigned to VLANs/zones		Unlimited, assigned to VLANs/zones	
Encryption	Base (DES)	<i>Optional license: Strong (3DES/AES)</i>	Base (DES)	<i>Optional license: Strong (3DES/AES)</i>
Minimum RAM	256 MB (default)		256 MB (default)	

- In routed mode, hosts on the inside (Business and Home VLANs) count towards the limit only when they communicate with the outside (Internet VLAN). Internet hosts are not counted towards the limit. Hosts that initiate traffic between Business and Home are also not counted towards the limit. The interface associated with the default route is considered to be the Internet interface. If there is no default route, hosts on all interfaces are counted toward the limit. In transparent mode, the interface with the lowest number of hosts is counted towards the host limit. See the **show local-host command** to view the host limits.
- Although the maximum IPsec and Clientless SSL VPN sessions add up to more than the maximum VPN sessions, the combined sessions should not exceed the VPN session limit. If you exceed the maximum VPN sessions, you can overload the security appliance, so be sure to size your network appropriately.
- The concurrent firewall connections are based on a traffic mix of 80% TCP and 20% UDP, with one host and one dynamic translation for every four connections.

ASA 5510 Feature Licenses

Table A-2 ASA 5510 Adaptive Security Appliance License Features

ASA 5510	Base License					Security Plus						
Users, concurrent	Unlimited					Unlimited						
Security Contexts	No support					2	<i>Optional Licenses:</i>					
							5					
VPN Sessions ¹	250 combined IPsec and Clientless SSL VPN					250 combined IPsec and Clientless SSL VPN						
Max. IPsec Sessions	250					250						
Max. Clientless SSL VPN Sessions	2	<i>Optional Licenses:</i>				2	<i>Optional Licenses:</i>					
		10	25	50	100	250		10	25	50	100	250
VPN Load Balancing	No support					No support						
TLS Proxy for SIP and Skinny Inspection	Supported					Supported						
Failover	No support					Active/Standby or Active/Active						
GTP/GPRS	No support					No support						

Table A-2 ASA 5510 Adaptive Security Appliance License Features (continued)

ASA 5510	Base License		Security Plus	
Max. VLANs	50		100	
Concurrent Firewall Conns ²	50 K		130 K	
Max. Physical Interfaces	Unlimited		Unlimited	
Encryption	Base (DES)	<i>Optional license: Strong (3DES/AES)</i>	Base (DES)	<i>Optional license: Strong (3DES/AES)</i>
Min. RAM	256 MB (default)		256 MB (default)	

- Although the maximum IPSec and Clientless SSL VPN sessions add up to more than the maximum VPN sessions, the combined sessions should not exceed the VPN session limit. If you exceed the maximum VPN sessions, you can overload the security appliance, so be sure to size your network appropriately.
- The concurrent firewall connections are based on a traffic mix of 80% TCP and 20% UDP, with 1 host and 1 dynamic translation for every 4 connections.

ASA 5520 Feature Licenses

Table A-3 ASA 5520 Adaptive Security Appliance License Features

ASA 5520	Base License							
Users, concurrent	Unlimited							Unlimited
Security Contexts	2							
	<i>Optional Licenses:</i>							
	5	10	20					
VPN Sessions ¹	750 combined IPSec and Clientless SSL VPN							
Max. IPSec Sessions	750							
Max. Clientless SSL VPN Sessions	2							
	<i>Optional Licenses:</i>							
	10	25	50	100	250	500	750	
VPN Load Balancing	Supported							
TLS Proxy for SIP and Skinny Inspection	Supported							
Failover	Active/Standby or Active/Active							
GTP/GPRS	None		<i>Optional license: Enabled</i>					
Max. VLANs	150							
Concurrent Firewall Conns ²	280 K							
Max. Physical Interfaces	Unlimited							
Encryption	Base (DES)		<i>Optional license: Strong (3DES/AES)</i>					
Min. RAM	512 MB (default)							

- Although the maximum IPSec and Clientless SSL VPN sessions add up to more than the maximum VPN sessions, the combined sessions should not exceed the VPN session limit. If you exceed the maximum VPN sessions, you can overload the security appliance, so be sure to size your network appropriately.
- The concurrent firewall connections are based on a traffic mix of 80% TCP and 20% UDP, with 1 host and 1 dynamic translation for every 4 connections.

ASA 5540 Feature Licenses

Table A-4 ASA 5540 Adaptive Security Appliance License Features

ASA 5540	Base License									
Users, concurrent	Unlimited					Unlimited				
Security Contexts	2	Optional licenses:								
		5	10	20	50					
VPN Sessions ¹	5000 combined IPsec and Clientless SSL VPN									
Max. IPsec Sessions	5000									
Max. Clientless SSL VPN Sessions	2	Optional Licenses:								
		10	25	50	100	250	500	750	1000	2500
VPN Load Balancing	Supported									
TLS Proxy for SIP and Skinny Inspection	Supported									
Failover	Active/Standby or Active/Active									
GTP/GPRS	None	Optional license: Enabled								
Max. VLANs	200									
Concurrent Firewall Conns ²	400 K									
Max. Physical Interfaces	Unlimited									
Encryption	Base (DES)	Optional license: Strong (3DES/AES)								
Min. RAM	1 GB (default)									

1. Although the maximum IPsec and Clientless SSL VPN sessions add up to more than the maximum VPN sessions, the combined sessions should not exceed the VPN session limit. If you exceed the maximum VPN sessions, you can overload the security appliance, so be sure to size your network appropriately.
2. The concurrent firewall connections are based on a traffic mix of 80% TCP and 20% UDP, with 1 host and 1 dynamic translation for every 4 connections.

ASA 5550 Feature Licenses

Table A-5 ASA 5550 Adaptive Security Appliance License Features

ASA 5550	Base License										
Users, concurrent	Unlimited										
Security Contexts	2	Optional licenses:									
		5	10	20	50						
VPN Sessions ¹	5000 combined IPsec and Clientless SSL VPN										
Max. IPsec Sessions	5000										
Max. Clientless SSL VPN Sessions	2	Optional Licenses:									
		10	25	50	100	250	500	750	1000	2500	5000

Table A-5 ASA 5550 Adaptive Security Appliance License Features (continued)

ASA 5550	Base License	
VPN Load Balancing	Supported	
TLS Proxy for SIP and Skinny Inspection	Supported	
Failover	Active/Standby or Active/Active	
GTP/GPRS	None	<i>Optional license: Enabled</i>
Max. VLANs	250	
Concurrent Firewall Conns ²	650 K	
Max. Physical Interfaces	Unlimited	
Encryption	Base (DES)	<i>Optional license: Strong (3DES/AES)</i>
Min. RAM	4 GB (default)	

1. Although the maximum IPsec and Clientless SSL VPN sessions add up to more than the maximum VPN sessions, the combined sessions should not exceed the VPN session limit. If you exceed the maximum VPN sessions, you can overload the security appliance, so be sure to size your network appropriately.
2. The concurrent firewall connections are based on a traffic mix of 80% TCP and 20% UDP, with 1 host and 1 dynamic translation for every 4 connections.

ASA 5580 Feature Licenses

Table A-6 ASA 5580 Adaptive Security Appliance License Features

ASA 5580	Base License									
Users, concurrent	Unlimited									
Security Contexts	2									
	<i>Optional licenses:</i>									
	5	10	20	50						
VPN Sessions ¹	5000 combined IPsec and SSL VPN									
Max. IPsec Sessions	5000									
Max. SSL VPN Sessions	2									
	<i>Optional licenses:</i>									
	10	25	50	100	250	500	750	1000	2500	5000
	<i>Optional VPN Flex licenses:²</i>				250		750	1000	2500	5000
VPN Load Balancing	Supported									
Advanced Endpoint Assessment	None	<i>Optional license: Enabled</i>								
TLS Proxy for SIP and Skinny Inspection ³	Supported									
Failover	Active/Standby or Active/Active ⁴									
GTP/GPRS	None	<i>Optional license: Enabled</i>								
Max. VLANs	Version 8.1(1): 100									
	Version 8.1(2) and later: 250									

Table A-6 ASA 5580 Adaptive Security Appliance License Features (continued)

ASA 5580	Base License	
Concurrent Firewall Conns	5580-20: 1,000 K 5580-40: 2,000 K	
Max. Physical Interfaces	Unlimited	
Encryption	Base (DES)	<i>Optional license: Strong (3DES/AES)</i>
Min. RAM	4 GB (default)	

1. Although the maximum IPSec and Clientless SSL VPN sessions add up to more than the maximum VPN sessions, the combined sessions should not exceed the VPN session limit. If you exceed the maximum VPN sessions, you can overload the security appliance, so be sure to size your network appropriately.
2. Available in Version 8.1(2) and later.
3. Other Unified Communications features are not supported in Version 8.1.
4. You cannot use Active/Active failover and VPN; if you want to use VPN, use Active/Standby failover.

PIX 515/515E Feature Licenses

Table A-7 PIX 515/515E Security Appliance License Features

PIX 515/515E	R (Restricted)		UR (Unrestricted)		FO (Failover) ¹		FO-AA (Failover Active/Active) ¹	
Users, concurrent	Unlimited		Unlimited		Unlimited		Unlimited	
Security Contexts	No support		2	Optional license: 5	2	Optional license: 5	2	Optional license: 5
IPSec Sessions	2000		2000		2000		2000	
Clientless SSL VPN Sessions	No support		No support		No support		No support	
VPN Load Balancing	No support		No support		No support		No support	
TLS Proxy for SIP and Skinny Inspection	No support		No support		No support		No support	
Failover	No support		Active/Standby Active/Active		Active/Standby		Active/Standby Active/Active	
GTP/GPRS	None	<i>Optional license: Enabled</i>	None	<i>Optional license: Enabled</i>	None	<i>Optional license: Enabled</i>	None	<i>Optional license: Enabled</i>
Max. VLANs	10		25		25		25	
Concurrent Firewall Conns ²	48 K		130 K		130 K		130 K	
Max. Physical Interfaces	3		6		6		6	

Table A-7 PIX 515/515E Security Appliance License Features (continued)

PIX 515/515E	R (Restricted)		UR (Unrestricted)		FO (Failover) ¹		FO-AA (Failover Active/Active) ¹	
	None	Optional licenses: Base (DES) Strong (3DES/AES)	None	Optional licenses: Base (DES) Strong (3DES/AES)	None	Optional licenses: Base (DES) Strong (3DES/AES)	None	Optional licenses: Base (DES) Strong (3DES/AES)
Encryption								
Min. RAM	64 MB (default)		128 MB		128 MB		128 MB	

1. This license can only be used in a failover pair with another unit with a UR license. Both units must be the same model.
2. The concurrent firewall connections are based on a traffic mix of 80% TCP and 20% UDP, with 1 host and 1 dynamic translation for every 4 connections.

PIX 525 Feature Licenses

Table A-8 PIX 525 Security Appliance License Features

PIX 525	R (Restricted)		UR (Unrestricted)		FO (Failover) ¹		FO-AA (Failover Active/Active) ¹	
	None	Optional licenses: Base (DES) Strong (3DES/AES)	None	Optional licenses: Base (DES) Strong (3DES/AES)	None	Optional licenses: Base (DES) Strong (3DES/AES)	None	Optional licenses: Base (DES) Strong (3DES/AES)
Users, concurrent	Unlimited		Unlimited		Unlimited		Unlimited	
Security Contexts	No support		2	Optional licenses: 5 10 20 50	2	Optional licenses: 5 10 20 50	2	Optional licenses: 5 10 20 50
IPSec Sessions	2000		2000		2000		2000	
Clientless SSL VPN Sessions	No support		No support		No support		No support	
VPN Load Balancing	No support		No support		No support		No support	
TLS Proxy for SIP and Skinny Inspection	No support		No support		No support		No support	
Failover	No support		Active/Standby Active/Active		Active/Standby		Active/Standby Active/Active	
GTP/GPRS	None	Optional license: Enabled	None	Optional license: Enabled	None	Optional license: Enabled	None	Optional license: Enabled
Max. VLANs	25		100		100		100	
Concurrent Firewall Conns ²	140 K		280 K		280 K		280 K	
Max. Physical Interfaces	6		10		10		10	

Table A-8 PIX 525 Security Appliance License Features (continued)

PIX 525	R (Restricted)		UR (Unrestricted)		FO (Failover) ¹		FO-AA (Failover Active/Active) ¹	
	None	Optional licenses: Base (DES) Strong (3DES/AES)	None	Optional licenses: Base (DES) Strong (3DES/AES)	None	Optional licenses: Base (DES) Strong (3DES/AES)	None	Optional licenses: Base (DES) Strong (3DES/AES)
Encryption								
Min. RAM	128 MB (default)		256 MB		256 MB		256 MB	

1. This license can only be used in a failover pair with another unit with a UR license. Both units must be the same model.
2. The concurrent firewall connections are based on a traffic mix of 80% TCP and 20% UDP, with 1 host and 1 dynamic translation for every 4 connections.

PIX 535 Feature Licenses

Table A-9 PIX 535 Security Appliance License Features

PIX 535	R (Restricted)		UR (Unrestricted)		FO (Failover) ¹		FO-AA (Failover Active/Active) ¹	
	None	Optional license: Enabled	None	Optional license: Enabled	None	Optional license: Enabled	None	Optional license: Enabled
Users, concurrent	Unlimited		Unlimited		Unlimited		Unlimited	
Security Contexts	No support		2	Optional licenses: 5 10 20 50	2	Optional licenses: 5 10 20 50	2	Optional licenses: 5 10 20 50
IPSec Sessions	2000		2000		2000		2000	
Clientless SSL VPN Sessions	No support		No support		No support		No support	
VPN Load Balancing	No support		No support		No support		No support	
TLS Proxy for SIP and Skinny Inspection	No support		No support		No support		No support	
Failover	No support		Active/Standby Active/Active		Active/Standby		Active/Standby Active/Active	
GTP/GPRS	None		None		None		None	
Max. VLANs	50		150		150		150	
Concurrent Firewall Conns ²	250 K		500 K		500 K		500 K	
Max. Physical Interfaces	8		14		14		14	

Table A-9 PIX 535 Security Appliance License Features (continued)

PIX 535	R (Restricted)		UR (Unrestricted)		FO (Failover) ¹		FO-AA (Failover Active/Active) ¹		
	None	Optional licenses:	None	Optional licenses:	None	Optional licenses:	None	Optional licenses:	
		Base (DES)	Strong (3DES/AES)		Base (DES)	Strong (3DES/AES)		Base (DES)	Strong (3DES/AES)
Encryption									
Min. RAM	512 MB (default)		1024 MB		1024 MB		1024 MB		

1. This license can only be used in a failover pair with another unit with a UR license. Both units must be the same model.
2. The concurrent firewall connections are based on a traffic mix of 80% TCP and 20% UDP, with 1 host and 1 dynamic translation for every 4 connections.

