

# Cisco PIX<sup>®</sup> Firewall Licensing



## Overview

Cisco PIX Firewall is available with specific licenses that enable different levels of service, characterize its functions in a network, and define the maximum number of interfaces and memory the system can support.

The PIX licensing schema enables simplified provisioning and reduces operational costs by allowing a single PIX software image to be compatible across all supported Cisco PIX Firewall platforms. The licensing, or activation, key defines the mode of operation and specific features or set of services allowed to operate on a specific platform. Users requiring additional capabilities or functionality available within that software version need only change the licensing key, thus avoiding costly software upgrades.

Cisco PIX Firewall licenses are available in Unrestricted, Restricted, and Fail-Over configurations. These basic licenses can be augmented with VPN DES or 3DES cryptographic services.

*Unrestricted*—PIX Firewall platforms in an Unrestricted (UR) license mode allow installation and use of the maximum number of interfaces and RAM supported by the platform. The Unrestricted license supports a redundant 'hot standby' system for Fail-over operation to minimize network downtime.

*Restricted*—PIX Firewall platforms in a Restricted (R) license mode limit the number of interfaces supported and the amount of RAM available within the system. A restricted license provides a cost-optimized firewall solution for simplified network connectivity requirements, or where lower than the maximum number of user connections are acceptable. A Restricted licensed firewall does not support a redundant system for fail-over configurations.

*Fail-Over*—The Fail-Over (FO) software licenses place the Cisco PIX Firewall in a 'hot-standby' mode for use along side another PIX Firewall with an Unrestricted license. Fail-Over software licensing provides stateful fail-over capabilities thus enabling high availability network architectures. The fail-over PIX firewall acts as a fully redundant system maintaining state with all active sessions on the primary PIX Firewall, thereby minimizing connection disruptions due to equipment or network failures.

Both the Unrestricted and Fail-Over feature sets have identical feature and performance characteristics. A Cisco PIX Firewall with the Fail-Over license requires a Fail-Over cable between the fail-over and unrestricted licensed firewalls. The Unrestricted and hot-standby units each require their own unique corresponding DES or 3DES license for fail-over functionality. DES is included as a zero cost option. The 3DES license incurs a minimal charge.



## License Feature Overview

	Unrestricted	Restricted	Fail-Over
Firewall Services	All	All	All
# of Interfaces	Maximum	Limited	Maximum
RAM Support	Maximum	Limited	Maximum
Fail-Over Support	Yes	No	N/A
DES	Zero cost option required to enable DES support.	Zero cost option required to enable DES support.	Zero cost option required to enable DES support.
3DES	Additional license required	Additional license required	Additional license required
Add. H/W Requirements	No	No	Serial Cable

Please review platform-specific information on licensing option capabilities by model specified later in this document.

### Installing/Upgrading PIX Image

When installing or upgrading a PIX image, the installation program asks for the licensing key. If the key matches the value generated by the installation program the licensing key is valid and proceeds with the installation/upgrade. Otherwise, the key is considered invalid. Please note that license keys are not specific to a particular PIX software version.

Refer to Cisco PIX Firewall installation and upgrade procedures at the following location for the appropriate software version: <http://www.cisco.com/univercd/cc/td/doc/product/iaabu/pix/index.htm>

When booting, the PIX software verifies the licensing key stored in the configuration portion of the PIX image. If the key matches the value generated by the installation program the licensing key is valid and proceeds with the boot process. Otherwise, the key is considered invalid.

### Ordering Information

Unless otherwise specified, the Cisco PIX Firewall ships pre-installed with the latest released version of the PIX Operating System. Cisco customers who wish to upgrade Cisco PIX Firewall licensed software are required to email [licensing@cisco.com](mailto:licensing@cisco.com) which operates 24 hours a day, seven days a week. Please include:

- Serial number of the PIX
- Type of license required - e.g., Unrestricted, Fail-Over, 3DES

Moreover, customers may wish to add and/or increase the level of data encryption. Cisco customers may fill out the form at <http://www.cisco.com/public/sw-center/sw-ciscosecure.shtml> for free 56-bit Data Encryption Standard (DES) key. There is a minimal charge for Cisco customers wanting to install/upgrade to 128-bit Triple Data Encryption Standard (3DES) encryption. The associated part numbers for these upgrades are:

PIX-VPN-DES	56-bit DES IPsec VPN software license
PIX-VPN-3DES	168-bit 3DES IPsec VPN software license
PIX-501-VPN-3DES	168-bit 3DES Software license specific to PIX 501
PIX-506-SW-3DES	168-bit 3DES Software license specific to PIX 506/506E
PIX-515-VPN-3DES	168-bit 3DES Software license specific to PIX 515/515E



## Cisco PIX 501 Firewall

*Minimum Software Version:* 6.1(1). The Cisco PIX 501 Firewall provides a 10-user license, a 50-user license, or a 10-to-50 user upgrade license.

### Cisco PIX 501 Firewall Bundled Systems

Product Number	Product Description	Max I/Fs	Included RAM
<b>PIX-501</b>	PIX 501 chassis, software, 10-user license, integrated 4-port 10/100 switch and 10BaseT port	2	16
<b>PIX-501-BUN-K8</b>	PIX 501 10-user/DES Bundle (chassis, latest PIX software, 10-user and DES licenses, integrated 4-port 10/100 switch and 10BaseT port)	2	16
<b>PIX-501-BUN-K9</b>	PIX 501 10-user/3DES bundle (chassis, latest PIX software, 10-user and 3DES licenses, integrated 4- port 10/100 switch and 10BaseT port)	2	16
<b>PIX-501-50-BUN-K8</b>	PIX 501 50-user/DES bundle (chassis, latest PIX software, 50-user and DES licenses, integrated 4- port 10/100 switch and 10BaseT port)	2	16
<b>PIX-501-50-BUN-K9</b>	PIX 501 50-user/3DES bundle (chassis, latest PIX software, 50-user and 3DES licenses, integrated 4- port 10/100 switch and 10BaseT port)	2	16

### Cisco PIX 501 Firewall License & License Upgrades

Product Number	Product Description	Max I/Fs	Included RAM
<b>PIX-501-SW-10</b>	10-user license for PIX 501	2	16
<b>PIX-501-SW-50</b>	50-user license for PIX 501	2	16
<b>PIX-501-SW-10-50=</b>	10-to-50 user upgrade license for PIX 501	2	16
<b>PIX-501-VPN-3DES</b>	168-bit 3DES software license specific to PIX 501	2	16
<b>PIX-501-VPN-3DES=</b>	168-bit 3DES software license specific to PIX 501	2	16
<b>PIX-VPN-DES</b>	56-bit DES software license	2	16
<b>PIX-VPN-DES=</b>	56-bit DES software license	2	16



## Cisco PIX 506 Firewall

*Minimum Software Version:* 5.1(2). The Cisco PIX 506 Firewall is provided in a single, unlimited mode.

Cisco PIX 506 Firewall Bundled System

Product Number	Product Description	Max I/Fs	Included RAM
PIX-506	Chassis, software, two 10Base T ports	2	32

Cisco PIX 506 Firewall License & License3 Upgrades

Product Number	Product Description	Max I/Fs	Included RAM
PIX-VPN-DES	56-bit DES IPSec software license	2	32
PIX-506-SW-3DES	168-bit 3DES IPSec software license specific to PIX 506/506E	2	32

## Cisco PIX 506E Firewall

*Minimum Software Version:* 5.2(7). The Cisco PIX 506E Firewall is provided in a single, unlimited mode.

Cisco PIX 506E Firewall Bundled System

Product Number	Product Description	Max I/Fs	Included RAM
PIX-506E	Chassis, software, two 10Base T ports	2	32

Cisco PIX 506E Firewall License & License3 Upgrades

Product Number	Product Description	Max I/Fs	Included RAM
PIX-VPN-DES	56-bit DES IPSec software license	2	32
PIX-506-SW-3DES	168-bit 3DES IPSec software license specific to PIX 506/506E	2	32



## Cisco PIX 515 Firewall

*Minimum Software Version: 4.4(1)*

Starting with PIX software Version 5.1(2) the PIX 515-R allows owners to use a maximum of 3 interfaces. Customers are responsible for purchasing the 3rd interface. This is a free software upgrade for those customers with SMARTnet contracts and is available on CCO. Users who upgrade from an earlier version will need to obtain a new activation key from [licensing@cisco.com](mailto:licensing@cisco.com). Customers who purchase a new 515-R with 5.1(2) preinstalled will not be affected. Software Version 5.2 or later does not require a new activation key for 3rd interface support.

### Cisco PIX 515 Firewall Bundled Systems

	Product Number	Product Description	Max I/Fs	Included RAM
<b>Restricted</b>	PIX-515-R-BUN	PIX 515 Restricted chassis and software bundle. Two integrated 10/100 NICs.	3	32
	PIX-515-DC-R-BUN	PIX 515 DC Chassis, restricted software, two integrated 10/100 FE ports.	3	32
	PIX-515-R-DMZ-BUN	PIX 515 DMZ Bundle (Chassis, restricted software, 3 10/100 FE ports).	3	32
<b>Unrestricted</b>	PIX-515-UR-BUN	PIX 515 Unrestricted chassis and software bundle. Two integrated 10/100 NICs. (includes PIX-515-SW-UR & PIX-515-MEM-32)	6	64
	PIX-515-DC-UR-BUN	PIX 515 DC Chassis, unrestricted software, two integrated 10/100 FE ports.	6	64
<b>Fail-Over</b>	PIX-515-FO-BUN	PIX 515 Fail-Over chassis and software bundle. Two integrated 10/100 NICs.	6	64

### Cisco PIX 515 Firewall License & License Upgrades

	Product Number	Requirements/Comments
<b>Restricted</b>	PIX-515R-SW	PIX 515/515E Restricted software license. Fail-Over not supported.
<b>Unrestricted</b>	PIX-515UR-SW	PIX 515/515E Unrestricted software license. Requires PIX-515-MEM-32 to upgrade base chassis from 32 Mbytes to 64 Mbytes.
<b>Fail-Over</b>	PIX-515-SW-FO	PIX 515/515E Fail-Over software license.
<b>Restricted to Unrestricted</b>	PIX-515-SW-R-UR=	PIX 515/515E Restricted to Unrestricted software license upgrade. Includes PIX-515-MEM-32 to upgrade base chassis from 32 Mbytes to 64 Mbytes.
<b>Fail-Over to Restricted</b>	PIX-515-SW-FO-R	PIX 515/515E Fail-Over to Restricted software license upgrade.
<b>Fail-Over to Unrestricted</b>	PIX-515-SW-FO-UR	PIX 515/515E Fail-Over to Unrestricted software license upgrade.
<b>56-bit DES IPSec</b>	PIX-VPN-DES	Zero cost option required to enable DES support. <a href="http://www.cisco.com/kobayashi/sw-center/internet/pix.shtml">http://www.cisco.com/kobayashi/sw-center/internet/pix.shtml</a>
<b>168-bit 3DES IPSec</b>	PIX-515-VPN-3DES	168-bit 3DES IPSec software license for PIX Firewall.



## Cisco PIX 515 Firewall

*Minimum Software Version: 4.4(1)*

Starting with PIX software Version 5.1(2) the PIX 515-R allows owners to use a maximum of 3 interfaces. Customers are responsible for purchasing the 3rd interface. This is a free software upgrade for those customers with SMARTnet contracts and is available on CCO. Users who upgrade from an earlier version will need to obtain a new activation key from [licensing@cisco.com](mailto:licensing@cisco.com). Customers who purchase a new 515-R with 5.1(2) preinstalled will not be affected. Software Version 5.2 or later does not require a new activation key for 3rd interface support.

### Cisco PIX 515 Firewall Bundled Systems

	Product Number	Product Description	Max I/Fs	Included RAM
<b>Restricted</b>	PIX-515-R-BUN	PIX 515 Restricted chassis and software bundle. Two integrated 10/100 NICs.	3	32
	PIX-515-DC-R-BUN	PIX 515 DC Chassis, restricted software, two integrated 10/100 FE ports.	3	32
	PIX-515-R-DMZ-BUN	PIX 515 DMZ Bundle (Chassis, restricted software, 3 10/100 FE ports).	3	32
<b>Unrestricted</b>	PIX-515-UR-BUN	PIX 515 Unrestricted chassis and software bundle. Two integrated 10/100 NICs. (includes PIX-515-SW-UR & PIX-515-MEM-32)	6	64
	PIX-515-DC-UR-BUN	PIX 515 DC Chassis, unrestricted software, two integrated 10/100 FE ports.	6	64
<b>Fail-Over</b>	PIX-515-FO-BUN	PIX 515 Fail-Over chassis and software bundle. Two integrated 10/100 NICs.	6	64

### Cisco PIX 515 Firewall License & License Upgrades

	Product Number	Requirements/Comments
<b>Restricted</b>	PIX-515R-SW	PIX 515/515E Restricted software license. Fail-Over not supported.
<b>Unrestricted</b>	PIX-515UR-SW	PIX 515/515E Unrestricted software license. Requires PIX-515-MEM-32 to upgrade base chassis from 32 Mbytes to 64 Mbytes.
<b>Fail-Over</b>	PIX-515-SW-FO	PIX 515/515E Fail-Over software license.
<b>Restricted to Unrestricted</b>	PIX-515-SW-R-UR=	PIX 515/515E Restricted to Unrestricted software license upgrade. Includes PIX-515-MEM-32 to upgrade base chassis from 32 Mbytes to 64 Mbytes.
<b>Fail-Over to Restricted</b>	PIX-515-SW-FO-R	PIX 515/515E Fail-Over to Restricted software license upgrade.
<b>Fail-Over to Unrestricted</b>	PIX-515-SW-FO-UR	PIX 515/515E Fail-Over to Unrestricted software license upgrade.
<b>56-bit DES IPSec</b>	PIX-VPN-DES	Zero cost option required to enable DES support. <a href="http://www.cisco.com/kobayashi/sw-center/internet/pix.shtml">http://www.cisco.com/kobayashi/sw-center/internet/pix.shtml</a>
<b>168-bit 3DES IPSec</b>	PIX-515-VPN-3DES	168-bit 3DES IPSec software license for PIX Firewall.



## Cisco PIX 515 Firewall

*Minimum Software Version: 4.4(1)*

Starting with PIX software Version 5.1(2) the PIX 515-R allows owners to use a maximum of 3 interfaces. Customers are responsible for purchasing the 3rd interface. This is a free software upgrade for those customers with SMARTnet contracts and is available on CCO. Users who upgrade from an earlier version will need to obtain a new activation key from [licensing@cisco.com](mailto:licensing@cisco.com). Customers who purchase a new 515-R with 5.1(2) preinstalled will not be affected. Software Version 5.2 or later does not require a new activation key for 3rd interface support.

### Cisco PIX 515 Firewall Bundled Systems

	Product Number	Product Description	Max I/Fs	Included RAM
<b>Restricted</b>	PIX-515-R-BUN	PIX 515 Restricted chassis and software bundle. Two integrated 10/100 NICs.	3	32
	PIX-515-DC-R-BUN	PIX 515 DC Chassis, restricted software, two integrated 10/100 FE ports.	3	32
	PIX-515-R-DMZ-BUN	PIX 515 DMZ Bundle (Chassis, restricted software, 3 10/100 FE ports).	3	32
<b>Unrestricted</b>	PIX-515-UR-BUN	PIX 515 Unrestricted chassis and software bundle. Two integrated 10/100 NICs. (includes PIX-515-SW-UR & PIX-515-MEM-32)	6	64
	PIX-515-DC-UR-BUN	PIX 515 DC Chassis, unrestricted software, two integrated 10/100 FE ports.	6	64
<b>Fail-Over</b>	PIX-515-FO-BUN	PIX 515 Fail-Over chassis and software bundle. Two integrated 10/100 NICs.	6	64

### Cisco PIX 515 Firewall License & License Upgrades

	Product Number	Requirements/Comments
<b>Restricted</b>	PIX-515R-SW	PIX 515/515E Restricted software license. Fail-Over not supported.
<b>Unrestricted</b>	PIX-515UR-SW	PIX 515/515E Unrestricted software license. Requires PIX-515-MEM-32 to upgrade base chassis from 32 Mbytes to 64 Mbytes.
<b>Fail-Over</b>	PIX-515-SW-FO	PIX 515/515E Fail-Over software license.
<b>Restricted to Unrestricted</b>	PIX-515-SW-R-UR=	PIX 515/515E Restricted to Unrestricted software license upgrade. Includes PIX-515-MEM-32 to upgrade base chassis from 32 Mbytes to 64 Mbytes.
<b>Fail-Over to Restricted</b>	PIX-515-SW-FO-R	PIX 515/515E Fail-Over to Restricted software license upgrade.
<b>Fail-Over to Unrestricted</b>	PIX-515-SW-FO-UR	PIX 515/515E Fail-Over to Unrestricted software license upgrade.
<b>56-bit DES IPSec</b>	PIX-VPN-DES	Zero cost option required to enable DES support. <a href="http://www.cisco.com/kobayashi/sw-center/internet/pix.shtml">http://www.cisco.com/kobayashi/sw-center/internet/pix.shtml</a>
<b>168-bit 3DES IPSec</b>	PIX-515-VPN-3DES	168-bit 3DES IPSec software license for PIX 515/515E.

## Cisco PIX 515E Firewall

*Minimum Software Version: 5.2(7)*

### Cisco PIX 515E Firewall Bundled Systems

	Product Number	Product Description	Max I/Fs	Included RAM
Restricted	PIX-515E-R-BUN	PIX 515E Chassis, resstricted software, 2 FE ports.	3	32
	PIX-515E-DC-R-BUN	PIX 515E DC Chassis, restricted software, 2 FE ports.	3	32
	PIX-515E-R-DMZ-BUN	PIX 515E Chassis, restricted software, 3 FE ports.	3	32
Unrestricted	PIX-515E-UR-BUN	PIX 515E Chassis, unrestricted software, 2 FE ports, VAC.	6	64
	PIX-515E-DC-UR-BUN	PIX 515E DC Chassis, unrestricted software, 2 FE ports, VAC	6	64
Fail-Over	PIX-515E-FO-BUN	PIX 515E DC Chassis, failover software, 2 FE ports, VAC	6	64

### Cisco PIX 515E Firewall License & License Upgrades

	Product Number	Requirements/Comments
Restricted	PIX-515R-SW	PIX 515/515E Restricted software license. Fail-Over not supported.
Unrestricted	PIX-515UR-SW	PIX 515/515E Unrestricted software license. Requires PIX-515-MEM-32 to upgrade base chassis from 32 Mbytes to 64 Mbytes.
Fail-Over	PIX-515-SW-FO	PIX 515/515E Fail-Over software license.
Restricted to Unrestricted	PIX-515-SW-R-UR=	PIX 515/515E Restricted to unrestricted software license upgrade. Includes PIX-515-MEM-32 to upgrade base chassis from 32 Mbytes to 64 Mbytes.
Fail-Over to Restricted	PIX-515-SW-FO-R	PIX 515/515E Fail-Over to Restricted software license upgrade.
Fail-Over to Unrestricted	PIX-515-SW-FO-UR	PIX 515/515E Fail-Over to Unrestricted software license upgrade.
56-bit DES IPSec	PIX-VPN-DES	Zero cost option required to enable DES support. <a href="http://www.cisco.com/kobayashi/sw-center/internet/pix.shtml">http://www.cisco.com/kobayashi/sw-center/internet/pix.shtml</a>
168-bit 3DES IPSec	PIX-515-VPN-3DES	168-bit 3DES IPSec software license for PIX 515/515E.

## Cisco PIX 525 Firewall

*Minimum Software Version: 5.2(1)*

### Cisco PIX 525 Firewall Bundled Systems

	<b>Product Number</b>	<b>Product Description</b>	<b>Max I/Fs</b>	<b>Included RAM</b>
<b>Restricted</b>	PIX-525-R-BUN	PIX 525 Restricted chassis and software bundle. Two integrated 10/100 NICs.	6	128
<b>Unrestricted</b>	PIX-525-UR-BUN	PIX 525 Unrestricted chassis and software bundle. Two integrated 10/100 NICs. Includes integrated VPN Accelerator Card (VAC).	8	256
<b>Fail-Over</b>	PIX-525-FO-BUN	PIX 525 Fail-Over chassis and software bundle. Two integrated 10/100 NICs. Includes integrated VPN Accelerator Card (VAC).	8	256

### Cisco PIX 525 Firewall License & License Upgrades

	<b>Product Number</b>	<b>Requirements/Comments</b>
<b>Restricted</b>	PIX-525-SW-R	PIX 525 Restricted software license. Fail-Over not supported.
<b>Unrestricted</b>	PIX-525-SW-UR	PIX 525 Unrestricted software license.
<b>Fail-Over</b>	PIX-525-SW-FO	PIX 525 Fail-Over software license.
<b>Restricted to Unrestricted</b>	PIX-525-SW-R-UR=	PIX 525 Restricted to Unrestricted software license upgrade. Includes 128 MB RAM and an integrated VPN Accelerator Card (VAC).
<b>Fail-Over to Restricted</b>	PIX-525-SW-FO-R=	PIX 525 Fail-Over to Restricted software license upgrade.
<b>Fail-Over to Unrestricted</b>	PIX-525-SW-FO-UR=	PIX 525 Fail-Over to Unrestricted software license upgrade.
<b>56-bit DES IPSec</b>	PIX-VPN-DES	Zero cost option required to enable DES support. <a href="http://www.cisco.com/kobayashi/sw-center/internet/pix.shtml">http://www.cisco.com/kobayashi/sw-center/internet/pix.shtml</a>
<b>168-bit 3DES IPSec</b>	PIX-VPN-3DES	168-bit 3DES IPSec software license for PIX Firewall.

## Cisco PIX 535 Firewall

*Minimum Software Version: 5.3(1)*

### Cisco PIX 535 Firewall Bundled Systems

	Product Number	Product Description	Max I/Fs	Included RAM
Restricted	PIX-535-R-BUN	PIX 535 Restricted chassis and software bundle. Two integrated 10/100 NICs.	8	512
Unrestricted	PIX-535-UR-BUN	PIX 535 Unrestricted chassis and software bundle. Two integrated 10/100 NICs. Includes an integrated VPN Accelerator Card (VAC).	10	1,000
Fail-Over	PIX-535-FO-BUN	PIX 535 Fail-Over chassis and software bundle. Two integrated 10/100 NICs. Includes an integrated VPN Accelerator Card (VAC).	10	1,000

### Cisco PIX 535 Firewall License & License Upgrades

	Product Number	Requirements/Comments
Restricted	PIX-535R-SW	PIX 535 Restricted software license. Fail-Over not supported.
Unrestricted	PIX-535UR-SW	PIX 535 Unrestricted software license.
Fail-Over	PIX-535FO-SW	PIX 535 Fail-Over software license.
Restricted to Unrestricted	PIX-535-SW-R-UR=	PIX 535 Restricted to Unrestricted software license upgrade. Includes 512MB RAM and an integrated VPN Accelerator Card (VAC).
Fail-Over to Restricted	PIX-535-SW-FO-R=	PIX 535 Fail-Over to Restricted software license upgrade.
Fail-Over to Unrestricted	PIX-535-SW-FO-UR=	PIX 535 Fail-Over to Unrestricted software license upgrade.
56-bit DES IPSec	PIX-VPN-DES	Zero cost option required to enable DES support. <a href="http://www.cisco.com/kobayashi/sw-center/internet/pix.shtml">http://www.cisco.com/kobayashi/sw-center/internet/pix.shtml</a>
168-bit 3DES IPSec	PIX-VPN-3DES	168-bit 3DES IPSec software license for PIX Firewall.

## Legacy PIX Systems

Current Cisco PIX Firewall licensing is based on a “feature-based” license key system. This type of license key structure manages which features are to be enabled or disabled. Prior PIX Firewall platforms supported a “connection-based” key system that managed the maximum number of connections allowed by PIX. For consistency and ease of management all current PIX Firewalls now support feature-based licensing.

### Cisco PIX 520 Firewall

*Minimum Software Version:* 4.2(4) for 2MB flash and Versions 4.4(3) or 5.1(1) for 16MB flash..

Cisco PIX 520 Firewall License & Licensing Upgrades

Product Number	Product Description
PIX-CONN-128-UR=	PIX 520 license upgrade from 128 to unlimited connections.
PIX-CONN-128-1K=	PIX 520 license upgrade from 128 to 1024 connections.
PIX-CONN-1K-UR=	PIX 520 license upgrade from 1024 to unlimited connections.
PIX-CONN-FO-128=	PIX Classic, 10K, 510, 520 Fail-Over to entry license upgrade.
PIX-CONN-FO-1K=	PIX Classic, 10K, 510, 520 Fail-Over to mid license upgrade.
PIX-CONN-FO-UR=	PIX Classic, 10K, 510, 520 Fail-Over to Unrestricted license upgrade.
PIX-VPN-DES	56-bit DES IPSec software license for PIX Firewall
PIX-VPN-3DES	168-bit 3DES IPSec software license for PIX Firewall.

## Additional Information

For more information about Cisco PIX Firewall licensing, go to:

<http://www.cisco.com/kobayashi/sw-center/ciscosecure/pix.shtml>

<http://www.cisco.com/cgi-bin/front.x/Support/HWSWmatrix/hwswwmatrix.cgi>



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

European Headquarters  
Cisco Systems Europe  
11, Rue Camille Desmoulins  
92782 Issy Les Moulineaux  
Cedex 9  
France  
[www.cisco.com](http://www.cisco.com)  
Tel: 33 1 58 04 60 00  
Fax: 33 1 58 04 61 00

Americas Headquarters  
Cisco Systems, Inc.  
170 West Tasman Drive  
San Jose, CA 95134-1706  
USA  
[www.cisco.com](http://www.cisco.com)  
Tel: 408 526-7660  
Fax: 408 527-0883

Asia Pacific Headquarters  
Cisco Systems Australia, Pty., Ltd  
Level 17, 99 Walker Street  
North Sydney  
NSW 2059 Australia  
[www.cisco.com](http://www.cisco.com)  
Tel: +61 2 8448 7100  
Fax: +61 2 9957 4350

Cisco Systems has more than 190 offices in the following countries. Addresses, phone numbers, and fax numbers are listed on the

**Cisco.com Web site at [www.cisco.com/go/offices](http://www.cisco.com/go/offices).**

Argentina • Australia • Austria • Belgium • Brazil • Bulgaria • Canada • Chile • China • Colombia • Costa Rica • Croatia • Czech Republic • Denmark • Dubai, UAE  
Finland • France • Germany • Greece • Hong Kong • Hungary • India • Indonesia • Ireland • Israel • Italy • Japan • Korea • Luxembourg • Malaysia • Mexico • The  
Netherlands • New Zealand • Norway • Peru • Philippines • Poland • Portugal • Puerto Rico • Romania • Russia • Saudi Arabia • Scotland • Singapore • Slovakia  
Slovenia • South Africa • Spain • Sweden • Switzerland • Taiwan • Thailand • Turkey • Ukraine • United Kingdom • United States • Venezuela • Vietnam • Zimbabwe

Copyright © 2001 Cisco Systems, Inc. All rights reserved. Cisco, Cisco IOS, Cisco Systems, the Cisco Systems logo, and PIX are registered trademarks of Cisco Systems, Inc. or its affiliates in the U.S. and certain other countries. All other trademarks mentioned in this document are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (00010R)