



# West Virginia Purchasing Division

2019 Washington Street, East  
Charleston, WV 25305  
Telephone: 304-558-2306  
General Fax: 304-558-6026  
Bid Fax: 304-558-3970

The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at ***wvOASIS.gov***. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at ***WVPurchasing.gov*** with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

## Header

[List View](#)


**General Information** [Contact](#) [Default Values](#) [Discount](#) [Document Information](#)

**Procurement Folder:** 86701

**SO Doc Code:** CRFQ

**Procurement Type:** Central Purchase Order

**SO Dept:** 0210

**Vendor ID:** 000000210570 

**SO Doc ID:** ISC1500000015

**Legal Name:** ALPHA TECHNOLOGIES INC


**Published Date:** 6/12/15

**Alias/DBA:**

**Close Date:** 6/30/15

**Total Bid:** \$744,009.00

**Close Time:** 13:30

**Response Date:** 06/04/2015 

**Status:** Closed

**Response Time:** 9:45

**Solicitation Description:** Addendum; Next Generation Firewall for WVOT

**Total of Header Attachments:** 0

**Total of All Attachments:** 0



Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

**State of West Virginia  
 Solicitation Response**

**Proc Folder :** 86701

**Solicitation Description :** Addendum; Next Generation Firewall for WVOT

**Proc Type :** Central Purchase Order

Date issued	Solicitation Closes	Solicitation No	Version
	2015-06-30 13:30:00	SR 0210 ESR06041500000004209	1

**VENDOR**

000000210570  
 ALPHA TECHNOLOGIES INC

**FOR INFORMATION CONTACT THE BUYER**

Guy Nisbet  
 (304) 558-2596  
 guy.l.nisbet@wv.gov

Signature X FEIN # DATE

All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	4.2.1 Next-Generation Firewall PA-5060 or Equal	4.00000	EA	\$73,225.00	\$292,900.00

Comm Code	Manufacturer	Specification	Model #
43222501			

Extended Description : PAN-PA-5060-SSD2-D or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
2	4.2.2 Premium Support or Equal for each Next-Generation Fire	4.00000	EA	\$27,638.00	\$110,552.00

Comm Code	Manufacturer	Specification	Model #
81111804			

Extended Description : PAN-SVC-PREM-5060-1 YR or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
3	4.2.2.1 Renewal Option YR 2 - Premium Support or Equal	4.00000	EA	\$27,638.00	\$110,552.00

Comm Code	Manufacturer	Specification	Model #
81111804			

Extended Description : RENEWAL OPTION YEAR 2 - PAN-SVC-PREM-5060-R or Equal  
Premium Support or Equal for each Next-Generation Firewall

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
4	4.2.2.1 Renewal Option YR 3 - Premium Support or Equal	4.00000	EA	\$27,638.00	\$110,552.00

Comm Code	Manufacturer	Specification	Model #
81111804			

Extended Description : RENEWAL OPTION YEAR 3 - PAN-SVC-PREM-5060-R or Equal  
Premium Support or Equal for each Next-Generation Firewall

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
5	4.2.2.1 Renewal Option YR 4 - Premium Support or Equal	4.00000	EA	\$27,638.00	\$110,552.00

Comm Code	Manufacturer	Specification	Model #
81111804			

**Extended Description :** RENEWAL OPTION YEAR 4 - PAN-SVC-PREM-5060-R or Equal Premium Support or Equal for each Next-Generation Firewall

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
6	4.2.3 Panorama M-100 with 4TB storage or Equal	2.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
43222501			

**Extended Description :** PAN-M-100-4TB or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
7	4.2.4 Premium Support or Equal for each Panorama M-100	2.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
81111804			

**Extended Description :** PAN-SVC-PREM-M-100-P or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
8	4.2.4.1 RENEWAL OPTION YEAR 2 Premium Support or Equal	2.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
81111804			

**Extended Description :** RENEWAL OPTION YEAR 2 - PAN-SVC-PREM-M-100-P-25-R or Equal Premium Support or Equal for each Panorama M-100

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
9	4.2.4.1 RENEWAL OPTION YEAR 3 Premium Support or Equal	2.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
81111804			

**Extended Description :** RENEWAL OPTION YEAR 3 - PAN-SVC-PREM-M-100-P-25-R or Equal  
Premium Support or Equal for each Panorama M-100

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
10	4.2.4.1 RENEWAL OPTION YEAR 4 Premium Support or Equal	2.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
81111804			

**Extended Description :** RENEWAL OPTION YEAR 4 - PAN-SVC-PREM-M-100-P-25-R or Equal  
Premium Support or Equal for each Panorama M-100

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
11	4.2.5 WildFire WF-500 or Equal	1.00000	EA	\$3,977.00	\$3,977.00

Comm Code	Manufacturer	Specification	Model #
43222501			

**Extended Description :** PAN-WF-500 or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
12	4.2.6 Premium Support for each WildFire or Equal	1.00000	EA	\$1,231.00	\$1,231.00

Comm Code	Manufacturer	Specification	Model #
81111804			

**Extended Description :** PAN-SVC-PREM-WF-500 or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
13	4.2.6.1 RENEWAL OPTION YEAR 2 Premium Support or Equal	1.00000	EA	\$1,231.00	\$1,231.00

Comm Code	Manufacturer	Specification	Model #
81111804			

**Extended Description :** RENEWAL OPTION YEAR 2 - PAN-SVC-PREM-WF-500 or Equal  
Premium Support for each WildFire or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
14	4.2.6.1 RENEWAL OPTION YEAR 3 Premium Support or Equal	1.00000	EA	\$1,231.00	\$1,231.00

Comm Code	Manufacturer	Specification	Model #
81111804			

**Extended Description :** RENEWAL OPTION YEAR 3 - PAN-SVC-PREM-WF-500 or Equal  
Premium Support for each WildFire or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
15	4.2.6.1 RENEWAL OPTION YEAR 4 Premium Support or Equal	1.00000	EA	\$1,231.00	\$1,231.00

Comm Code	Manufacturer	Specification	Model #
81111804			

**Extended Description :** RENEWAL OPTION YEAR 4 - PAN-SVC-PREM-WF-500 or Equal  
Premium Support for each WildFire or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
16	4.3.1 URL Filtering subscription or Equal	4.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
43232800			

**Extended Description :** PAN-PA-5060-URL4-HA2 or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
17	4.3.1.1 RENEWAL OPTION YEAR 2 - URL Filtering or Equal	4.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description : RENEWAL OPTION YEAR 2 - PAN-PA-5060-URL4-HA2 or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
18	4.3.1.1 RENEWAL OPTION YEAR 3 - URL Filtering or Equal	4.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description : RENEWAL OPTION YEAR 3 - PAN-PA-5060-URL4-HA2 or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
19	4.3.1.1 RENEWAL OPTION YEAR 4 - URL Filtering or Equal	4.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description : RENEWAL OPTION YEAR 4 - PAN-PA-5060-URL4-HA2 or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
20	4.3.1.1 RENEWAL OPTION YEAR 5 - URL Filtering or Equal	4.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description : RENEWAL OPTION YEAR 5 - PAN-PA-5060-URL4-HA2 or Equal



Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
21	4.3.2 Threat Prevention subscription or Equal	4.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description : PAN-PA-5060-TP-HA2-R or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
22	4.3.2.1 RENEWAL OPTION YEAR 2 - Threat Prevention or Equal	4.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description : RENEWAL OPTION YEAR 2 - PAN-PA-5060-TP-HA2-R or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
23	4.3.2.1 RENEWAL OPTION YEAR 3 - Threat Prevention or Equal	4.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description : RENEWAL OPTION YEAR 3 - PAN-PA-5060-TP-HA2-R or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
24	4.3.2.1 RENEWAL OPTION YEAR 4 - Threat Prevention or Equal	4.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description : RENEWAL OPTION YEAR 4 - PAN-PA-5060-TP-HA2-R or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
25	4.3.2.1 RENEWAL OPTION YEAR 5 - Threat Prevention or Equal	4.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description : RENEWAL OPTION YEAR 5 - PAN-PA-5060-TP-HA2-R or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
26	4.3.3 WildFire subscription or Equal	4.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description : PAN-PA-5060-WF-HA2 or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
27	4.3.3.1 RENEWAL OPTION YEAR 2 - WildFire or Equal	4.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description : RENEWAL OPTION YEAR 2 - PAN-PA-5060-WF-HA2 or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
28	4.3.3.1 RENEWAL OPTION YEAR 3 - WildFire or Equal	4.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description : RENEWAL OPTION YEAR 3 - PAN-PA-5060-WF-HA2 or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
29	4.3.3.1 RENEWAL OPTION YEAR 4 - WildFire or Equal	4.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description : RENEWAL OPTION YEAR 4 - PAN-PA-5060-WF-HA2 or Equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
30	4.3.3.1 RENEWAL OPTION YEAR 5 - WildFire or Equal	4.00000	EA	\$0.00	\$0.00

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description : RENEWAL OPTION YEAR 5 - PAN-PA-5060-WF-HA2 or Equal



Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

State of West Virginia  
 Request for Quotation  
 21 – Info Technology

Proc Folder: 86701

Doc Description: One-Time Purchase of a Next Generation Firewall for WVOT


Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2015-05-08	2015-06-04 13:30:00	CRFQ 0210 ISC1500000015	1

**BID RECEIVING LOCATION**  
 BID CLERK  
 DEPARTMENT OF ADMINISTRATION  
 PURCHASING DIVISION  
 2019 WASHINGTON ST E  
 CHARLESTON WV 25305  
 US

**VENDOR**  
 Vendor Name, Address and Telephone Number:  
 Alpha Technologies  
 4003 Outlook Drive  
 Hurricane, WV 25526  
 304-721-8987

**FOR INFORMATION CONTACT THE BUYER**  
 Guy Nisbet  
 (304) 558-2596  
 guy.l.nisbet@wv.gov

Signature X  FEIN # 55-0777279 DATE 5/28/2015

All offers subject to all terms and conditions contained in this solicitation

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	4.2.1 Next-Generation Firewall PA-5060 or Equal	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43222501			

**Extended Description :**  
PAN-PA-5060-SSD2-D or Equal

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
2	4.2.2 Premium Support or Equal for each Next-Generation Fire	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
81111804			

**Extended Description :**  
PAN-SVC-PREM-5060-3YR or Equal

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
3	4.2.2.1 Renewal Option YR 2 - Premium Support or Equal	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
81111804			

**Extended Description :**

RENEWAL OPTION YEAR 2 - PAN-SVC-PREM-5060-3YR or Equal  
Premium Support or Equal for each Next-Generation Firewall

INVOICE TO	SHIP TO
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US	WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
4	4.2.2.1 Renewal Option YR 3 - Premium Support or Equal	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
81111804			

**Extended Description :**

RENEWAL OPTION YEAR 3 - PAN-SVC-PREM-5060-3YR or Equal  
Premium Support or Equal for each Next-Generation Firewall

INVOICE TO	SHIP TO
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US	WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
5	4.2.2.1 Renewal Option YR 4 - Premium Support or Equal	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
81111804			

**Extended Description :**

RENEWAL OPTION YEAR 4 - PAN-SVC-PREM-5060-3YR or Equal  
Premium Support or Equal for each Next-Generation Firewall

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
6	4.2.3 Panorama M-100 with 4TB storage or Equal	2.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43222501			

Extended Description :  
PAN-M-100-4TB or Equal

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
7	4.2.4 Premium Support or Equal for each Panorama M-100	2.00000	EA		

Comm Code	Manufacturer	Specification	Model #
81111804			

Extended Description :  
PAN-SVC-PREM-M-100-P-25-3YR or Equal

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
8	4.2.4.1 RENEWAL OPTION YEAR 2 Premium Support or Equal	2.00000	EA		

Comm Code	Manufacturer	Specification	Model #
81111804			

**Extended Description :**

RENEWAL OPTION YEAR 2 - PAN-SVC-PREM-M-100-P-25-3YR or Equal  
Premium Support or Equal for each Panorama M-100

INVOICE TO	SHIP TO
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US	WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
9	4.2.4.1 RENEWAL OPTION YEAR 3 Premium Support or Equal	2.00000	EA		

Comm Code	Manufacturer	Specification	Model #
81111804			

**Extended Description :**

RENEWAL OPTION YEAR 3 - PAN-SVC-PREM-M-100-P-25-3YR or Equal  
Premium Support or Equal for each Panorama M-100

INVOICE TO	SHIP TO
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US	WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
10	4.2.4.1 RENEWAL OPTION YEAR 4 Premium Support or Equal	2.00000	EA		

Comm Code	Manufacturer	Specification	Model #
81111804			

**Extended Description :**

RENEWAL OPTION YEAR 4 - PAN-SVC-PREM-M-100-P-25-3YR or Equal  
Premium Support or Equal for each Panorama M-100



INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
11	4.2.5 WildFire WF-500 or Equal	1.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43222501			

Extended Description :  
PAN-WF-500 or Equal

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
12	4.2.6 Premium Support for each WildFire or Equal	1.00000	EA		

Comm Code	Manufacturer	Specification	Model #
81111804			

Extended Description :  
PAN-SVC-PREM-WF-500-3YR or Equal

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
13	4.2.6.1 RENEWAL OPTION YEAR 2 Premium Support or Equal	1.00000	EA		

Comm Code	Manufacturer	Specification	Model #
81111804			

**Extended Description :**

RENEWAL OPTION YEAR 2 - PAN-SVC-PREM-WF-500-3YR or Equal

Premium Support for each WildFire or Equal

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
14	4.2.6.1 RENEWAL OPTION YEAR 3 Premium Support or Equal	1.00000	EA		

Comm Code	Manufacturer	Specification	Model #
81111804			

**Extended Description :**

RENEWAL OPTION YEAR 3 - PAN-SVC-PREM-WF-500-3YR or Equal

Premium Support for each WildFire or Equal

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
15	4.2.6.1 RENEWAL OPTION YEAR 4 Premium Support or Equal	1.00000	EA		

Comm Code	Manufacturer	Specification	Model #
81111804			

**Extended Description :**

RENEWAL OPTION YEAR 4 - PAN-SVC-PREM-WF-500-3YR or Equal

Premium Support for each WildFire or Equal

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
16	4.3.1 URL Filtering subscription or Equal	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43232800			

**Extended Description :**  
PAN-PA-5060-URL4-3YR-HA2 or Equal

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
17	4.3.1.1 RENEWAL OPTION YEAR 2 - URL Filtering or Equal	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43232800			

**Extended Description :**  
RENEWAL OPTION YEAR 2 - PAN-PA-5060-URL4-3YR-HA2 or Equal

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
18	4.3.1.1 RENEWAL OPTION YEAR 3 - URL Filtering or Equal	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43232800			

**Extended Description :**

RENEWAL OPTION YEAR 3 - PAN-PA-5060-URL4-3YR-HA2 or Equal

INVOICE TO	SHIP TO
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US	WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
19	4.3.1.1 RENEWAL OPTION YEAR 4 - URL Filtering or Equal	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43232800			

**Extended Description :**

RENEWAL OPTION YEAR 4 - PAN-PA-5060-URL4-3YR-HA2 or Equal

INVOICE TO	SHIP TO
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US	WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
20	4.3.1.1 RENEWAL OPTION YEAR 5 - URL Filtering or Equal	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43232800			

**Extended Description :**

RENEWAL OPTION YEAR 5 - PAN-PA-5060-URL4-3YR-HA2 or Equal

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
21	4.3.2 Threat Prevention subscription or Equal	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description :  
PAN-PA-5060-TP-3YR-HA2 or Equal

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
22	4.3.2.1 RENEWAL OPTION YEAR 2 - Threat Prevention or Equal	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43232800			

Extended Description :  
RENEWAL OPTION YEAR 2 - PAN-PA-5060-TP-3YR-HA2 or Equal

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
23	4.3.2.1 RENEWAL OPTION YEAR 3 - Threat Prevention or Equal	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43232800			

**Extended Description :**

RENEWAL OPTION YEAR 3 - PAN-PA-5060-TP-3YR-HA2 or Equal

INVOICE TO	SHIP TO
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US	WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
24	4.3.2.1 RENEWAL OPTION YEAR 4 - Threat Prevention or Equal	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43232800			

**Extended Description :**

RENEWAL OPTION YEAR 4 - PAN-PA-5060-TP-3YR-HA2 or Equal

INVOICE TO	SHIP TO
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US	WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
25	4.3.2.1 RENEWAL OPTION YEAR 5 - Threat Prevention or Equal	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43232800			

**Extended Description :**

RENEWAL OPTION YEAR 5 - PAN-PA-5060-TP-3YR-HA2 or Equal

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
26	4.3.3 WildFire subscription or Equal	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43232800			

**Extended Description :**  
PAN-PA-5060-WF-3YR-HA2 or Equal

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
27	4.3.3.1 RENEWAL OPTION YEAR 2 - WildFire or Equal	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43232800			

**Extended Description :**  
RENEWAL OPTION YEAR 2 - PAN-PA-5060-WF-3YR-HA2 or Equal

INVOICE TO		SHIP TO	
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US		WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
28	4.3.3.1 RENEWAL OPTION YEAR 3 - WildFire or Equal	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43232800			

**Extended Description :**

RENEWAL OPTION YEAR 3 - PAN-PA-5060-WF-3YR-HA2 or Equal

INVOICE TO	SHIP TO
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US	WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
29	4.3.3.1 RENEWAL OPTION YEAR 4 - WildFire or Equal	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43232800			

**Extended Description :**

RENEWAL OPTION YEAR 4 - PAN-PA-5060-WF-3YR-HA2 or Equal

INVOICE TO	SHIP TO
DEPARTMENT OF ADMINISTRATION OFFICE OF TECHNOLOGY 1900 KANAWHA BLVD E, BLDG 5 10TH FLOOR CHARLESTON WV25305 US	WV OFFICE OF TECHNOLOGY BLDG 5, 10TH FLOOR 1900 KANAWHA BLVD E CHARLESTON WV 25304 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
30	4.3.3.1 RENEWAL OPTION YEAR 5 - WildFire or Equal	4.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43232800			

**Extended Description :**

RENEWAL OPTION YEAR 5 - PAN-PA-5060-WF-3YR-HA2 or Equal



ISC1500000015	<b>Document Phase</b> Final	<b>Document Description</b> One-Time Purchase of a Next Generation Firewall for WVOT	<b>Page</b> 14 of 14
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**ADDITIONAL TERMS AND CONDITIONS**

See attached document(s) for additional Terms and Conditions

ADDENDUM ACKNOWLEDGEMENT FORM  
SOLICITATION NO.:

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:  
(Check the box next to each addendum received)

- |                                     |                |                          |                 |
|-------------------------------------|----------------|--------------------------|-----------------|
| <input checked="" type="checkbox"/> | Addendum No. 1 | <input type="checkbox"/> | Addendum No. 6  |
| <input type="checkbox"/>            | Addendum No. 2 | <input type="checkbox"/> | Addendum No. 7  |
| <input type="checkbox"/>            | Addendum No. 3 | <input type="checkbox"/> | Addendum No. 8  |
| <input type="checkbox"/>            | Addendum No. 4 | <input type="checkbox"/> | Addendum No. 9  |
| <input type="checkbox"/>            | Addendum No. 5 | <input type="checkbox"/> | Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Alpha Technologies  
Company

[Signature]  
Authorized Signature

5/28/2015  
Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.

RFQ No. IS R 15000 000 15

STATE OF WEST VIRGINIA  
Purchasing Division

**PURCHASING AFFIDAVIT**

**MANDATE:** Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

**EXCEPTION:** The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

**DEFINITIONS:**

**"Debt"** means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

**"Employer default"** means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

**"Related party"** means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

**AFFIRMATION:** By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

**WITNESS THE FOLLOWING SIGNATURE:**

Vendor's Name: Alpha Technologies

Authorized Signature: [Signature] Date: 5/28/2015

State of West Virginia

County of Putnam, to-wit:

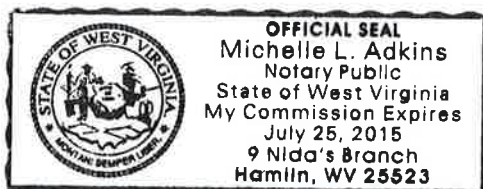
Taken, subscribed, and sworn to before me this 28 day of May, 2015

My Commission expires 7/25, 2015

AFFIX SEAL HERE

NOTARY PUBLIC [Signature]

Purchasing Affidavit (Revised 07/01/2012)



VENDOR PREFERENCE CERTIFICATE

Certification and application\* is hereby made for Preference in accordance with West Virginia Code, §5A-3-37. (Does not apply to construction contracts). West Virginia Code, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the West Virginia Code. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Vendor Preference, if applicable.

1. Application is made for 2.5% vendor preference for the reason checked:

- Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,
Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,
Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,

2. Application is made for 2.5% vendor preference for the reason checked:

- Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,

3. Application is made for 2.5% vendor preference for the reason checked:

- Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,

4. Application is made for 5% vendor preference for the reason checked:

- Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,

5. Application is made for 3.5% vendor preference who is a veteran for the reason checked:

- Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,

6. Application is made for 3.5% vendor preference who is a veteran for the reason checked:

- Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.

7. Application is made for preference as a non-resident small, women- and minority-owned business, in accordance with West Virginia Code §5A-3-59 and West Virginia Code of State Rules.

- Bidder has been or expects to be approved prior to contract award by the Purchasing Division as a certified small, women- and minority-owned business.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Under penalty of law for false swearing (West Virginia Code, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: Alpha Technologies

Signed: [Signature]

Date: 5/28/2015

Title: Sales Exec



## We have prepared a quote for you

**ISC1500000015**

**Quote #005745**

Version 1

Main: 3042017485

Email: dchambers@alpha-tech.us

Web: www.alpha-tech.us

**Prepared For:**

WV Office of Technology  
 Andrew Lore  
 1900 Kanawha Blvd E Building 5 10th Floor  
 Charleston, WV 25305  
 andrew.c.lore@wv.gov

**Prepared By**

David Chambers  
 Phone: 3042017485  
 Email: dchambers@alpha-tech.us

**Quote ID:** 005745  
**Date:** Wednesday, June 03, 2015  
**Expires:** Saturday, July 04, 2015

## Hardware

Description	Price	Qty	Ext. Price
FS-VMW-SW-K9 <b>FIRESIGHT MNT CENTER VIRTUAL VMWARE</b>	\$3,977.00	1	\$3,977.00
CON-SAU-VMW <b>SW APP SUP+UPG VIRTUAL FIRESIGHT S/W</b>	\$1,231.00	1	\$1,231.00
ASA5585-S40F40-K9 <b>ASA 5585-X SSP-40 FIRE PWR SSP-40 12GE</b>	\$73,225.00	4	\$292,900.00
CON-SNT-A85S4F49 <b>SMARTNET 8X5XNBD ASA 5585-X SSP-40 F</b>	\$10,728.00	4	\$42,912.00
L-ASA5585-40TAMC1Y <b>ASA5585-40 FIREPOWER IPS AMP URL 1Y SUBS</b>	\$16,910.00	4	\$67,640.00
<b>Hardware Subtotal</b>			<b>\$408,660.00</b>

## Quote Summary

Description	Amount
Hardware	\$408,660.00
<b>Subtotal</b>	<b>\$408,660.00</b>
<b>Tax</b>	<b>\$0.00</b>
<b>Total</b>	<b>\$408,660.00</b>

Taxes, shipping, handling and other fees may apply. We reserve the right to cancel orders arising from pricing or other errors.

Signature \_\_\_\_\_ Date \_\_\_\_\_

Main: 3042017485

Email: [dchambers@alpha-tech.us](mailto:dchambers@alpha-tech.us)

Web: [www.alpha-tech.us](http://www.alpha-tech.us)

# Cisco FireSIGHT Management Center

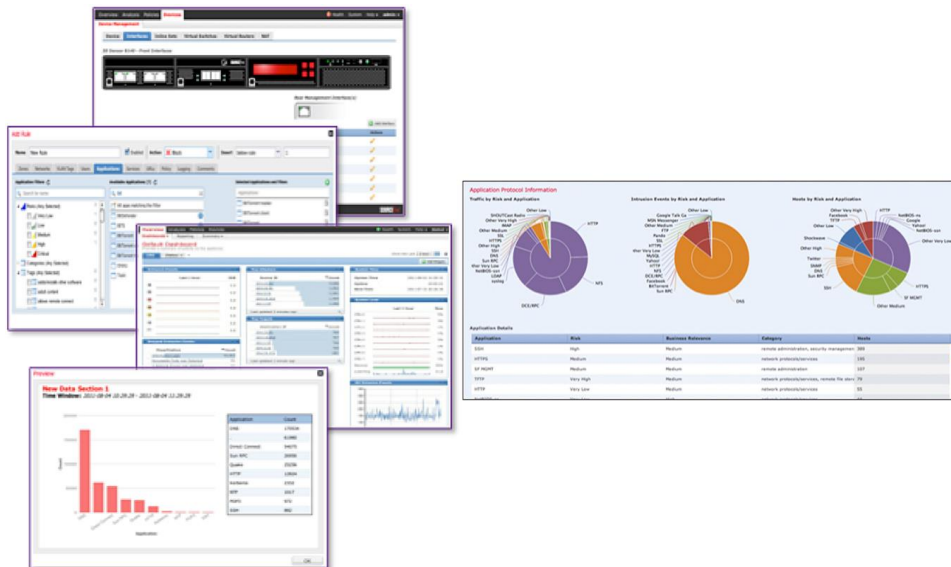
When it comes to effective threat prevention, a window into your network is invaluable. The Cisco FireSIGHT™ Management Center provides just that.

## Product Overview

Gain total visibility into everything on your network, including physical and virtual hosts, operating systems, applications, services, protocols, users, geolocation information, content, network behavior, network attacks, and malware with the Cisco FireSIGHT Management Center. This security management console (Figure 1) is the centralized point of event and policy management for your intrusion prevention security operations. It allows you to automatically aggregate and correlate information generated by Cisco’s next-generation firewall, Cisco® ASA with FirePOWER™ Services, and by Cisco’s next-generation Intrusion Prevention System (NGIPS), Cisco FirePOWER NGIPS. The Cisco FireSIGHT Management Center centrally manages network security and operational functions, including event monitoring, analysis, incident prioritization, and reporting, so that you can better protect your business. It also reduces your costs by streamlining operations and automating many commonly recurring security analysis and management tasks.

## Enterprise-Class Management

**Figure 1.** Cisco FireSIGHT Management Center: Centralized Policy, Event, and Device Management



Cisco FireSIGHT Management Center discovers real-time information about changing network resources and operations to provide you with a full contextual basis for making informed decisions (see Table 1). In addition to providing a wide breadth of intelligence, the Cisco FireSIGHT Management Center delivers a fine level of detail, including:

- **Trends and high-level statistics:** Helps managers and executives understand security posture at a moment in time as well as how it’s changing, for better or worse.



- **Event detail, compliance, and forensics:** Provides an understanding of what happened during a security event to improve defenses, support breach containment efforts, and aid in legal enforcement actions.
- **Workflows:** Easily exports data to support responses to an event, improving response management.

## Unparalleled Visibility and Insight

Table 1 illustrates the breadth of contextual awareness provided by Cisco FireSIGHT Management Center into threat vectors that more traditional security technologies do not detect.

**Table 1.** Cisco FireSIGHT Management Center: Full Stack Visibility

Category	FireSIGHT Management Center	Typical IPS	Typical Next-Generation Firewall
Threats	Yes	Yes	Yes
Users	Yes	Yes	Yes
Web applications	Yes	No	Yes
Application protocols	Yes	No	Yes
File transfers	Yes	No	Yes
Malware	Yes	No	No
Command-and-control servers	Yes	No	No
Client applications	Yes	No	No
Network servers	Yes	No	No
Operating systems	Yes	No	No
Routers and switches	Yes	No	No
Mobile devices	Yes	No	No
Printers	Yes	No	No
VoIP phones	Yes	No	No
Virtual machines	Yes	No	No

There are a number of Cisco FireSIGHT Management Center models. Choose the one that's right for your organization based on the number of sensor appliances to be monitored (both physical and virtual), the number of hosts in your environment, and the anticipated security events rate (see Table 2). All models provide the same management capabilities, including:

- Centralized device, license, event, and policy management
- Role-based management (segmented and isolated views and duties based on administrator role or group)
- Customizable dashboard with custom and template-based reports
- Comprehensive reporting and alerts for both general and focused information
- Event and contextual information displayed in hyperlinked tables, graphs, and charts
- Network behavior and performance monitoring
- Robust high-availability options to help ensure there's no single point of failure
- Correlation and remediation features for real-time threat response
- Open APIs for integration with third-party solutions and customer work streams, such as firewalls, network infrastructure, log management, security information and event management (SIEM), trouble ticketing, and patch management

## Automate Security for Dynamic Defense

The Cisco FireSIGHT Management Center continually monitors how your network is changing over time. New threats are automatically correlated against the vulnerabilities that exist in your network to determine whether they can affect your business. This enables you to cut through all of the noise and focus your efforts on responding to the events that will have the most impact. Critical security activities such as policy tuning are also automated, saving time and effort, while adapting your network defenses to changing conditions. This results in optimized security policies that are specifically tailored to the network you have and the threats that you face.


## Choice of Deployment Modes

Cisco FireSIGHT Management Center can be deployed as a physical or virtual appliance, allowing you to choose what options work best for your environment. Physical Cisco FireSIGHT Management Center appliances generally manage a higher number of sensors and provide greater event storage capabilities than their virtual counterparts. Virtual Cisco FireSIGHT Management Center appliances provide the convenience of being able to use your existing VM infrastructure. They can be easily deployed using VMware vSphere provisioning and can be used to protect assets in a physical network. Version 5.x virtual appliances can be hosted on VMware ESX and ESXi hypervisors and can manage up to 25 physical or virtual sensors.

## Product Specifications

Table 2 compares the capacity and throughput for available Cisco FireSIGHT Management Center appliances, both physical and virtual.

**Table 2.** Cisco FireSIGHT Management Center Models



Feature	FireSIGHT FS750	FireSIGHT FS1500	FireSIGHT FS2000	FireSIGHT FS3500	FireSIGHT FS4000	FireSIGHT FS-VMW-SW
Maximum number of sensors managed	10	35	70	150	300	25 10 2
Maximum number of IPS events	20 million	30 million	60 million	150 million	300 million	10 million
Event storage	100 GB	125 GB	1.8TB	400 GB	4.8 TB	250 GB
Maximum network map (hosts/users)	2,000/2,000	50,000/50,000	150,000/150,000	300,000/300,000	600,000/600,000	50,000/50,000
Maximum flow rate (flows per second)	2,000 fps	6,000 fps	12,000 fps	10,000 fps	20,000 fps	Varies*
Network Interfaces	2 x 1Gbps	2 x 1Gbps	2 x 1Gbps 2 x 10Gbps (Optional SFP's available via CCW)	2 x 1Gbps	2 x 1Gbps 2 x 10Gbps (Optional SFP's available via CCW)	1 x 1Gbps
High availability	Lights-out management (LOM)	RAID 1, LOM, high-availability pairing	RAID 5, LOM, high-availability pairing	RAID 5, LOM, high-availability pairing	RAID 5, LOM, high-availability pairing	No

**Note:** A Cisco FireSIGHT Management Center appliance must be present for a sensor to function. All sensor licensing and management is handled by the Management Center. Additionally, all Cisco FireSIGHT Management Centers manage only the FirePOWER portions of Cisco ASA with FirePOWER Services deployments.

\* Virtual Cisco FireSIGHT Management Center performance is highly dependent on the virtual environment chosen: CPUs, memory, storage, etc.

## Ordering Information

Table 3 provides ordering information for virtual and physical Cisco FireSIGHT Management Center appliances and additional spare hardware.

**Table 3.** Cisco FireSIGHT Management Center Ordering Information

Cisco FireSIGHT Management Center (Hardware) Appliances	
Part Number	Product Description
FS750-K9	Cisco FireSIGHT Management Center 750 Chassis, 1RU
FS1500-K9	Cisco FireSIGHT Management Center 1500 Chassis, 1RU
FS2000-K9	Cisco FireSIGHT Management Center 2000 Chassis, 1RU
FS3500-K9	Cisco FireSIGHT Management Center 3500 Chassis, 1RU
FS4000-K9	Cisco FireSIGHT Management Center 4000 Chassis, 1RU
Cisco FireSIGHT Management Center (Hardware) Spare	
FS-PWR-AC-650W=	Cisco FireSIGHT 650W AC Power Supply
Cisco FireSIGHT Management Center (Software) Virtual Appliance	
FS-VMW-SW-K9	Cisco FireSIGHT Management Center, Virtual (VMware) FireSIGHT License
FS-VMW-10-SW-K9	Cisco FireSIGHT Management Center, Virtual (VMware) FireSIGHT License, for 10 devices
FS-VMW-2-SW-K9	Cisco FireSIGHT Management Center, Virtual (VMware) FireSIGHT License, for 2 devices

To place an order, visit the [Cisco Ordering Homepage](#).

## For More Information

For more information, please visit the following links:

- [Cisco ASA with FirePOWER Services](#)
- [Cisco FirePOWER Appliances](#)
- [Cisco FireSIGHT Management Center](#)
- [Cisco Security Services](#)



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Singapore

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Cisco Systems International BV Amsterdam,  
The Netherlands

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## Cisco ASA with FirePOWER Services

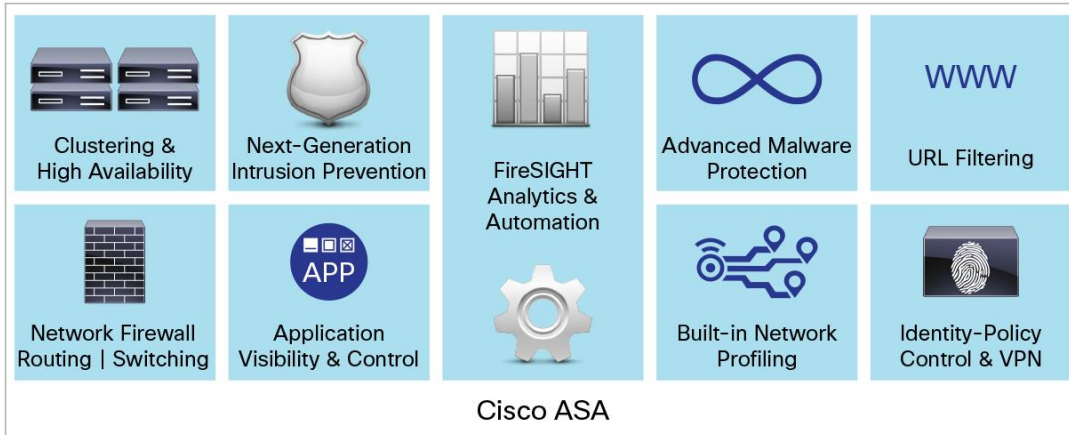
Meet the industry's first adaptive, threat-focused next-generation firewall (NGFW) designed for a new era of threat and advanced malware protection. Cisco® ASA with FirePOWER Services delivers integrated threat defense for the entire attack continuum - before, during, and after an attack. How? By combining the proven security capabilities of the Cisco ASA firewall with the industry-leading Sourcefire® threat and Advanced Malware Protection (AMP) features together in a single device. The solution uniquely extends the capabilities of the Cisco ASA 5500-X Series Next-Generation Firewalls beyond what today's NGFW solutions are capable of. Whether you need protection for a small or mid-sized business, a distributed enterprise, or a single data center, Cisco® ASA with FirePOWER Services provides the needed scale and context in a NGFW solution.

### Superior Multilayered Protection

Cisco ASA with FirePOWER Services brings distinctive threat-focused next-generation security services to the Cisco ASA 5500-X Series Next-Generation Firewalls and Cisco ASA 5585-X Adaptive Security Appliance firewall products. It provides comprehensive protection from known and advanced threats, including protection against targeted and persistent malware attacks (Figure 1). Cisco ASA is the world's most widely deployed, enterprise-class stateful firewall. Cisco ASA with FirePOWER Services features these comprehensive capabilities:

- Site-to-site and remote access VPN and advanced clustering provide highly secure, high-performance access and high availability to help ensure business continuity.
- Granular Application Visibility and Control (AVC) supports more than 3,000 application-layer and risk-based controls that can launch tailored intrusion prevention system (IPS) threat detection policies to optimize security effectiveness.
- The industry-leading Cisco ASA with FirePOWER next-generation IPS (NGIPS) provides highly effective threat prevention and full contextual awareness of users, infrastructure, applications, and content to detect multivector threats and automate defense response.
- Reputation- and category-based URL filtering offer comprehensive alerting and control over suspicious web traffic and enforce policies on hundreds of millions of URLs in more than 80 categories.
- AMP provides industry-leading breach detection effectiveness, a low total cost of ownership, and superior protection value that helps you discover, understand, and stop malware and emerging threats missed by other security layers.

**Figure 1.** Cisco ASA with FirePOWER Services: Key Security Features



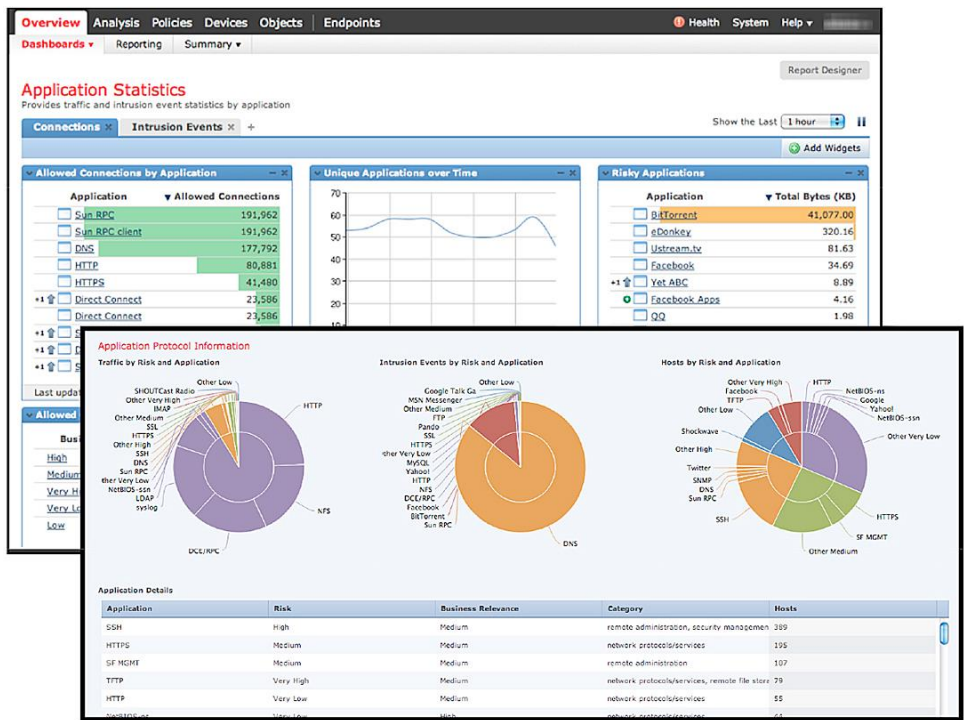
### Unprecedented Network Visibility

Cisco ASA with FirePOWER Services is centrally managed by the Cisco FireSIGHT Management Center, which provides security teams with comprehensive visibility into and control over activity within the network. Such visibility includes users, devices, communication between virtual machines, vulnerabilities, threats, client-side applications, files, and web sites. Holistic, actionable indications of compromise (IoCs) correlate detailed network and endpoint event information and provide further visibility into malware infections. Cisco's enterprise-class management tools help administrators reduce complexity with unmatched visibility and control across NGFW deployments. Cisco FireSIGHT Management Center also provides content awareness with malware file trajectory that aids infection scoping and root cause determination to speed time to remediation.

Cisco Security Manager provides scalable and centralized network operations workflow management. It integrates a powerful suite of capabilities; including policy and object management, event management, reporting, and troubleshooting for Cisco ASA firewall functions when utilizing Cisco FireSIGHT Management Center.

For local, on-device management including deployments for small and mid-sized businesses, Cisco Adaptive Security Device Manager (ASDM) 7.3.x provides access control and advanced threat defense management. ASDM V 7.3.x provides an enhanced user interface that provides quick views on trends and the ability to drill down for further analysis.

**Figure 2.** Cisco FireSIGHT Management Center: Intuitive High-Level and Detailed Drill-Down Dashboards



## Reduced Costs and Complexity

Cisco ASA with FirePOWER Services incorporates an integrated approach to threat defense, reducing capital and operating costs and administrative complexity. It smoothly integrates with the existing IT environment, work stream, and network fabric. The appliance family is highly scalable, performs at up to multigigabit speeds, and provides consistent and robust security across branch, Internet edge, and data centers in both physical and virtual environments.

With Cisco FireSIGHT Management Center, administrators can streamline operations to correlate threats, assess their impact, automatically tune security policy, and easily attribute user identities to security events. Cisco FireSIGHT Management Center continually monitors how the network is changing over time. New threats are automatically assessed to determine which ones can affect your business. Responses are then focused on remediation and network defenses are adapted to changing threat conditions. Critical security activities such as policy tuning are automated, saving time and effort, while protections and countermeasures are maintained in an optimal state.

Cisco FireSIGHT Management Center integrates easily with third-party security solutions through the eStreamer API to streamline operation workflows and fit existing network fabrics.

Table 1 highlights the best-in-class features and benefits of Cisco ASA with FirePOWER Services.

**Table 1.** Features and Benefits of Cisco ASA with FirePOWER Services

Feature	Benefits
<b>Next-generation firewall</b>	Industry's first threat-focused NGFW; provides ASA firewall functionality, advanced threat protection, and advanced breach detection and remediation combined in a single device
<b>Proven ASA firewall</b>	Rich routing, stateful firewall, Network Address Translation, and dynamic clustering for high-performance, highly secure, and reliable access with Cisco AnyConnect® VPN
<b>Market-leading NGIPS</b>	Superior threat prevention and mitigation for both known and unknown threats
<b>Advanced malware protection</b>	Detection, blocking, tracking, analysis, and remediation to protect the enterprise against targeted and persistent malware attacks
<b>Full contextual awareness</b>	Policy enforcement based on complete visibility of users, mobile devices, client-side applications, communication between virtual machines, vulnerabilities, threats, and URLs
<b>Application control and URL filtering</b>	Application-layer control (over applications, geolocations, users, websites) and ability to enforce usage and tailor detection policies based on custom applications and URLs
<b>Enterprise-class management</b>	Dashboards and drill-down reports of discovered hosts, applications, threats, and indications of compromise for comprehensive visibility
<b>Streamlined operations automation</b>	Lower operating cost and administrative complexity with threat correlation, impact assessment, automated security policy tuning, and user identification
<b>Purpose-built, scalable</b>	Highly scalable security appliance architecture that performs at up to multigigabit speeds; consistent and robust security across small office, branch offices, Internet edge, and data centers in either physical and virtual environments
<b>On-device management</b>	Simplifies advanced threat defense management for small and medium sized business with small scale deployments
<b>Remote Access VPN</b>	Extends secure corporate network access beyond corporate laptops to personal mobile devices, regardless of physical location; support for Cisco AnyConnect Secure Mobility Solution, with granular, application-level VPN capability, as well as native Apple iOS and Android VPN clients
<b>Site-to-site VPN</b>	Protect traffic, including VoIP and client-server application data, across the distributed enterprise and branch offices
<b>Integrated wireless access</b>	Integrated Wi-Fi is available in the desktop form factor (ASA 5506W-X) for compact and simplified small office deployments
<b>Ruggedized form factor</b>	A ruggedized model (ASA 5506H-X), designed specifically for extreme environmental conditions, is available for critical infrastructure and control network applications
<b>Third-party technology ecosystem</b>	Open API that enables the third-party technology ecosystem to integrate with existing customer work streams
<b>Integration with Snort and OpenAppID</b>	Open source security integration with Snort and OpenAppID for access to community resources and ability to easily customize security to address new and specific threats and applications quickly
<b>Collective Security intelligence (CSI)</b>	Unmatched security and web reputation intelligence provides real-time threat intelligence and security protection



## Product Performance and Specifications

Table 2 details the NGFW capabilities and capacities of the Cisco ASA with FirePOWER Services for Cisco ASA 5500-X Series.

**Table 2.** Cisco ASA 5500-X with FirePOWER Services Capabilities and Capacities

Feature	Cisco ASA 5506-X w/ FirePOWER Services	Cisco ASA 5506W-X w/ FirePOWER Services	Cisco ASA 5506H-X w/ FirePOWER Services	Cisco ASA 5508-X w/ FirePOWER Services	Cisco ASA 5516-X w/ FirePOWER Services	Cisco ASA 5512-X w/ FirePOWER Services	Cisco ASA 5515-X w/ FirePOWER Services	Cisco ASA 5525-X w/ FirePOWER Services	Cisco ASA 5545-X w/ FirePOWER Services	Cisco ASA 5555-X w/ FirePOWER Services
Maximum application control (AVC) throughput	250 Mbps	250 Mbps	250 Mbps	450 Mbps	850 Mbps	300 Mbps	500 Mbps	1,100 Mbps	1,500 Mbps	1,750 Mbps
Maximum application control (AVC) and NGIPS throughput	125 Mbps	125 Mbps	125 Mbps	250 Mbps	450 Mbps	150 Mbps	250 Mbps	650 Mbps	1,000 Mbps	1,250 Mbps
Maximum concurrent sessions	20,000; 50000 <sup>1</sup>	20,000; 50000 <sup>1</sup>	50000	100,000	250,000	100,000	250,000	500,000	750,000	1,000,000
Maximum New Connections per second	5,000	5,000	5,000	10,000	20,000	10,000	15,000	20,000	30,000	50,000
Application control (AVC) or IPS sizing throughput [440 byte HTTP] <sup>2</sup>	90 Mbps	90 Mbps	90 Mbps	180 Mbps	300 Mbps	100 Mbps	150 Mbps	375 Mbps	575 Mbps	725 Mbps
Supported applications	More than 3,000									
URL categories	80+									
Number of URLs categorized	More than 280 million									
Centralized configuration, logging, monitoring, and reporting	Multi-device Cisco Security Manager (CSM) and Cisco FireSIGHT Management Center									
On-Device Management	ASDM 7.3.x					ASDM				

<sup>1</sup> Higher specifications are associated with the Security Plus license.

<sup>2</sup> Activating more features will change performance

Table 3 compares the features and capacities of the different ASA 5500-X Series Next-Generation Firewalls for small offices, branch locations, and Internet edge deployments.

**Table 3.** Cisco ASA 5500-X Series Next-Generation Firewalls

Feature	Cisco ASA 5506-X w/ FirePOWER Services	Cisco ASA 5506W-X w/ FirePOWER Services	Cisco ASA 5506H-X w/ FirePOWER Services	Cisco ASA 5508-X w/ FirePOWER Services	Cisco ASA 5516-X w/ FirePOWER Services	Cisco ASA 5512-X w/ FirePOWER Services	Cisco ASA 5515-X w/ FirePOWER Services	Cisco ASA 5525-X w/ FirePOWER Services	Cisco ASA 5545-X w/ FirePOWER Services	Cisco ASA 5555-X w/ FirePOWER Services
Stateful inspection throughput (maximum <sup>1</sup> )	750 Mbps	750 Mbps	750 Mbps	1 Gbps	1.8 Gbps	1 Gbps	1.2 Gbps	2 Gbps	3 Gbps	4 Gbps



Feature	Cisco ASA 5506-X w/ FirePOWER Services	Cisco ASA 5506W-X w/ FirePOWER Services	Cisco ASA 5506H-X w/ FirePOWER Services	Cisco ASA 5508-X w/ FirePOWER Services	Cisco ASA 5516-X w/ FirePOWER Services	Cisco ASA 5512-X w/ FirePOWER Services	Cisco ASA 5515-X w/ FirePOWER Services	Cisco ASA 5525-X w/ FirePOWER Services	Cisco ASA 5545-X w/ FirePOWER Services	Cisco ASA 5555-X w/ FirePOWER Services
<b>Stateful inspection throughput (multiprotocol<sup>2</sup>)</b>	300 Mbps	300 Mbps	300 Mbps	500 Mbps	900 Mbps	500 Mbps	600 Mbps	1 Gbps	1.5 Gbps	2 Gbps
<b>Triple Data Encryption Standard/Advanced Encryption Standard (3DES/AES) VPN throughput<sup>3</sup></b>	100 Mbps	100 Mbps	100 Mbps	175 Mbps	250 Mbps	200 Mbps	250 Mbps	300 Mbps	400 Mbps	700 Mbps
<b>Users/nodes</b>	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
<b>IPsec site-to-site VPN peers</b>	10; 50 <sup>4</sup>	10; 50 <sup>4</sup>	50	100	300	250	250	750	2500	5000
<b>Cisco Cloud Web Security users</b>	275	275	275	565	2000	2000	3000	4000	5000	6000
<b>Cisco AnyConnect Plus/Apex VPN maximum simultaneous connections<sup>4</sup></b>	50 <sup>4</sup>	50 <sup>4</sup>	50 <sup>4</sup>	100 <sup>4</sup>	300 <sup>4</sup>	250 <sup>4</sup>	250 <sup>4</sup>	750 <sup>4</sup>	2500 <sup>4</sup>	5000 <sup>4</sup>
<b>Virtual interfaces (VLANs)</b>	5; 30 <sup>4</sup>	5; 30 <sup>4</sup>	30	50	100	50; 100	100	200	300	500
<b>Security contexts<sup>5</sup> (included; maximum)</b>	N/A	N/A	N/A	2; 5	2; 5	0,0; 2,5	2;5	2; 20	2; 50	2; 100
<b>High availability<sup>4</sup></b>	Requires Security Plus License; Active/ Standby	Requires Security Plus License; Active/ Standby	Active/ Standby	Active/ Active and Active/ Standby	Active/ Active and Active/ Standby	Requires Security Plus License; Active/ Active and Active/ Standby	Active/ Active and Active/ Standby	Active/ Active and Active/ Standby	Active/ Active and Active/ Standby	Active/ Active and Active/ Standby
<b>Integrated Wireless Access Point</b> (See Cisco AP 702 datasheet for WiFi technical details)	N/A	Wireless Bands a/b/g/n; Max n wifi throughput 54 Mbps; internal antenna only; local management or centralized via Cisco WLC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Expansion slot</b>	N/A	N/A	N/A	N/A	N/A	1 interface card	1 interface card	1 interface card	1 interface card	1 interface card
<b>User-accessible Flash slot</b>	No	No	No	No	No	No	No	0	-	0

Feature	Cisco ASA 5506-X w/ FirePOWER Services	Cisco ASA 5506W-X w/ FirePOWER Services	Cisco ASA 5506H-X w/ FirePOWER Services	Cisco ASA 5508-X w/ FirePOWER Services	Cisco ASA 5516-X w/ FirePOWER Services	Cisco ASA 5512-X w/ FirePOWER Services	Cisco ASA 5515-X w/ FirePOWER Services	Cisco ASA 5525-X w/ FirePOWER Services	Cisco ASA 5545-X w/ FirePOWER Services	Cisco ASA 5555-X w/ FirePOWER Services
<b>USB 2.0 ports</b>	USB port type 'A', High Speed 2.0	USB port type 'A', High Speed 2.0	USB port type 'A', High Speed 2.0	USB port type 'A', High Speed 2.0	USB port type 'A', High Speed 2.0	2	2	2	2	2
<b>Integrated I/O</b>	8 x 1 Gigabit Ethernet (GE)	8 x 1GE	4 x 1GE	8 x 1GE	8 x 1GE	6 GE copper	6 GE copper	8 GE copper	8 GE copper	8 GE copper
<b>Expansion I/O</b>	N/A	N/A	N/A	N/A	N/A	6 GE copper or	6 GE copper or	6 GE copper or	6 GE copper or	6 GE copper or
						6 GE Small Form-Factor Pluggable (SFP)	6 GE SFP	6 GE SFP	6 GE SFP	6 GE SFP
<b>Dedicated management port</b>	Yes (To be shared with FirePOWER Services), 10/100/1000	Yes (To be shared with FirePOWER Services), 10/100/1000	Yes (To be shared with FirePOWER Services), 10/100/1000 Base-T, 100Base-FX, 1000Base-X	Yes (To be shared with FirePOWER Services), 10/100/1000	Yes (To be shared with FirePOWER Services), 10/100/1000	Yes (1 GE)	Yes (1 GE)	Yes (1 GE)	Yes (1 GE)	Yes (1 GE)
<b>Serial ports</b>	1 RJ-45 and Mini USB console	1 RJ-45 and Mini USB console	1 RJ-45 and Mini USB console	1 RJ-45 and Mini USB console	1 RJ-45 and Mini USB console	1 RJ-45 console	1 RJ-45 console	1 RJ-45 console	1 RJ-45 console	1 RJ-45 console
<b>Solid-state drive</b>	50 GB mSata <sup>6</sup>	50 GB mSata <sup>6</sup>	50 GB mSata tested for heat	80 GB mSata <sup>6</sup>	100 GB mSata <sup>6</sup>	1 slot, 120 GB multi-line configurat or self-encrypting drive (MLC SED)	1 slot, 120 GB MLC SED	2 slots, RAID 1	2 slots, RAID 1	2 slots, RAID 1
							120 GB MLC SED	120 GB MLC SED	120 GB MLC SED	
<b>Memory</b>	4 GB	4 GB	4 GB	8 GB	8 GB	4 GB	8 GB	8 GB	12 GB	16 GB
<b>Minimum system flash</b>	8 GB	8 GB	8 GB	8GB	8GB	4 GB	8 GB	8 GB	8 GB	8 GB
<b>System bus</b>	Multibus architecture	Multibus architecture	Multibus architecture	Multibus architecture	Multibus architecture	Multibus architecture	Multibus architecture	Multibus architecture	Multibus architecture	Multibus architecture
<b>Operating Parameters</b>										
<b>Temperature</b>	32 to 104°F (0 to 40 °C)	32 to 104°F (0 to 40 °C)	-4 to 140°F (-20 to 60 °C)	32 to 104°F (0 to 40 °C)	32 to 104°F (0 to 40 °C)	23 to 104°F (-5 to 40°C)	23 to 104°F (-5 to 40°C)	23 to 104°F (-5 to 40°C)	23 to 104°F (-5 to 40°C)	23 to 104°F (-5 to 40°C)
<b>Relative humidity</b>	90 percent noncondensing	90 percent noncondensing	95 percent noncondensing	10 to 90 percent noncondensing	10 to 90 percent noncondensing	10 to 90 percent noncondensing	10 to 90 percent noncondensing	90 percent	90 percent	90 percent
<b>Altitude</b>	Designed and tested for 0 to 10,000 ft (3048 m)	Designed and tested for 0 to 10,000 ft (3048 m)	Designed and tested for 0 to 10,000 ft (3050 m)	Designed and tested for 0 to 10,000 ft (3048 m)	Designed and tested for 0 to 10,000 ft (3048 m)	Designed and tested for 0 to 15,000 ft (4572 m)	Designed and tested for 0 to 15,000 ft (4572 m)	Designed and tested for 0 to 10,000 ft (3050 m)	Designed and tested for 0 to 10,000 ft (3050 m)	Designed and tested for 0 to 10,000 ft (3050 m)

Feature	Cisco ASA 5506-X w/ FirePOWER Services	Cisco ASA 5506W-X w/ FirePOWER Services	Cisco ASA 5506H-X w/ FirePOWER Services	Cisco ASA 5508-X w/ FirePOWER Services	Cisco ASA 5516-X w/ FirePOWER Services	Cisco ASA 5512-X w/ FirePOWER Services	Cisco ASA 5515-X w/ FirePOWER Services	Cisco ASA 5525-X w/ FirePOWER Services	Cisco ASA 5545-X w/ FirePOWER Services	Cisco ASA 5555-X w/ FirePOWER Services
<b>Acoustic noise</b>	Fanless 0 dBA	Fanless 0 dBA	Fanless 0 dBA	41.6 A-weighted decibels (dBA) type	41.6 dBA type	64.2 dBA max	64.2 dBA max	64.2 dBA max	67.9 dBA max	67.9 dBA max
				67.2 dBA max	67.2 dBA max					
<b>Non-operating Parameters</b>										
<b>Temperature</b> <sup>7</sup>	-13 to 158°F (-25 to 70°C)	-13 to 158°F (-25 to 70°C)	-40 to 185°F (-40 to 85°C)	-13 to 158°F (-25 to 70°C)	-13 to 158°F (-25 to 70°C)	-13 to 158°F (-25 to 70°C)	-13 to 158°F (-25 to 70°C)	-13 to 158°F (-25 to 70°C)	-13 to 158°F (-25 to 70°C)	-13 to 158°F (-25 to 70°C)
<b>Relative humidity</b>	10 to 90 percent noncondensing	10 to 90 percent noncondensing	10 to 95 percent noncondensing	10 to 90 percent noncondensing	10 to 90 percent noncondensing	10 to 90 percent noncondensing	10 to 90 percent noncondensing	10 to 90 percent	10 to 90 percent	10 to 90 percent
<b>Altitude</b>	Designed and tested for 0 to 15,000 ft (4572 m)	Designed and tested for 0 to 15,000 ft (4572 m)	Designed and tested for 0 to 15,000 ft (4572 m)	Designed and tested for 0 to 15,000 ft (4572 m)	Designed and tested for 0 to 15,000 ft (4572 m)	Designed and tested for 0 to 15,000 ft (4572 m)	Designed and tested for 0 to 15,000 ft (4572 m)	Designed and tested for 0 to 15,000 ft (4572 m)	Designed and tested for 0 to 15,000 ft (4572 m)	Designed and tested for 0 to 15,000 ft (4572 m)
<b>Power Input (per power supply)</b>										
<b>AC range line voltage</b>	External, 90 to 240 volts alternating current (VAC)	External, 90 to 240 volts alternating current (VAC)	External, 90 to 240 volts alternating current (VAC)	External, 90 to 240 volts alternating current (VAC)	External, 90 to 240 volts alternating current (VAC)	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC
<b>AC normal line voltage</b>	90 to 240 VAC	90 to 240 VAC	90 to 240 VAC	91 to 240 VAC	92 to 240 VAC	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC
<b>AC current</b>	N/A	N/A	N/A	0.25AC amps	0.25AC amps	4.85A	4.85A	4.85A	5A, 100 to 120V 2.5A, 200 to 240V	5A, 100 to 120V 2.5A, 200 to 240V
<b>AC frequency</b>	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
<b>Dual-power supplies</b>	None	None	None	None	None	None	None	None	Yes	Yes
<b>DC domestic line voltage</b>	N/A	N/A	N/A	N/A	N/A	-40.5 to 56 volts direct current (VDC) (-48 VDC nominal)	-40.5 to 56 VDC (-48 VDC nominal)	-40.5 to 56 VDC (-48 VDC nominal)	-40.5 to 56 VDC (-48 VDC nominal)	-40.5 to 56 VDC (-48 VDC nominal)
<b>DC international line voltage</b>	N/A	N/A	N/A	N/A	N/A	-55 to -72 VDC (-60 VDC nominal)	-55 to -72 VDC (-60 VDC nominal)	-55 to -72 VDC (-60 VDC nominal)	-55 to -72 VDC (-60 VDC nominal)	-55 to -72 VDC (-60 VDC nominal)
<b>DC current</b>	N/A	N/A	N/A	N/A	N/A	15A (maximum input)	15A (maximum input)	15A (maximum input)	15A (maximum input)	15A (maximum input)
<b>Output</b>										
<b>Steady state</b>	12V @2.5A	12V @2.5A	5V @3.6A	12V @ 3.0A	12V @ 3.0A	51W	65W	75W	86W	90W
<b>Maximum peak</b>	12V @ 5A	12V @ 5A	5V @4.4A	12V @ 5.0A	12V @ 5.0A	56W	70W	108W	125W	134W

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<b>Maximum heat dissipation</b>	103 British thermal units (Btu)/hr	103 Btu/hr	103 Btu/hr	123 Btu/hr	123 Btu/hr	192 Btu/hr	239 Btu/hr	369 Btu/hr	427 Btu/hr	458 Btu/hr
<b>Form factor</b>	Desktop	Desktop	Desktop, rack mountable, wall mountable, DIN-Rail	1 rack unit (RU), 19-in. rack-mountable	1 rack unit (RU), 19-in. rack-mountable	1 rack unit (RU), 19-in. rack-mountable	1RU, 19-in. rack-mountable	1RU, 19-in. rack-mountable	1RU, 19-in. rack-mountable	1RU, 19-in. rack-mountable
<b>Dimensions</b>	7.871 x 9.23 x 1.72 in.	7.871 x 9.23 x 1.72 in.	9.05 x 9.05 x 2.72 in.	17.2 x 11.288 x 1.72 in.	17.2 x 11.288 x 1.72 in.	1.67 x 16.7 x 15.6 in.	1.67 x 16.7 x 15.6 in.	1.75 x 17.5 x 14.25 in.	1.67 x 16.7 x 19.1 in.	1.67 x 16.7 x 19.1 in.
<b>(H x W x D)</b>	(19.992 x 23.444 x 4.369 cm)	(19.992 x 23.444 x 4.369 cm)	(23.0 x 23.0 x 6.9 cm)	(43.688 x 28.672 x 4.369 cm)	(43.688 x 28.672 x 4.369 cm)	(4.24 x 42.9 x 39.5 cm)	(4.24 x 42.9 x 39.5 cm)	(4.45 x 20.04 x 36.20 cm)	(4.24 x 42.9 x 48.4 cm)	(4.24 x 42.9 x 48.4 cm)
<b>Weight (with AC power supply)</b>	4 lb (1.82 kg)	4 lb (1.82 kg)	7 lb (3.18 kg)	8 lb (3 kg)	8 lb (3 kg)	13.39 lb (6.07 kg)	13.39 lb (6.07 kg)	22.0 lb (10 kg)	16.82 lb (7.63 kg) with single power supply 18.86 lb (8.61 kg) with dual power supply	16.82 lb (7.63 kg) with single power supply 18.86 lb (8.61 kg) with dual power supply
<b>Safety</b>	UL 60950	UL 60951	UL 60950	UL 60952	UL 60953	IEC 60950-1: 2005, 2 <sup>nd</sup> Edition;	IEC 60950-1: 2005, 2 <sup>nd</sup> Edition	IEC 60950-1: 2005, 2 <sup>nd</sup> Edition	IEC 60950-1: 2005, 2 <sup>nd</sup> Edition	IEC 60950-1: 2005, 2 <sup>nd</sup> Edition
	CAN/CSA-C22.2 No. 60950	CAN/CSA-C22.2 No. 60951	CAN/CSA-C22.2 No. 60950	CAN/CSA-C22.2 No. 60952	CAN/CSA-C22.2 No. 60953	EN 60950-1: 2006+A11: 2009;	EN 60950-1: 2006+A11: 2009	EN 60950-1: 2006+A11: 2009	EN 60950-1: 2006+A11: 2009	EN 60950-1: 2006+A11: 2009
	EN 60950	EN 60951	EN 60950	EN 60952	EN 60953	UL 60950-1: 2007, 2 <sup>nd</sup> Edition	UL 60950-1: 2007, 2 <sup>nd</sup> Edition	UL 60950-1: 2007, 2 <sup>nd</sup> Edition;	UL 60950-1: 2007, 2 <sup>nd</sup> Edition;	UL 60950-1: 2007, 2 <sup>nd</sup> Edition;
	IEC 60950	IEC 60951	IEC 60950	IEC 60952	IEC 60953	CSA C22.2 No. 60950-1-07, 2 <sup>nd</sup> Edition	CSA C22.2 No. 60950-1-07, 2 <sup>nd</sup> Edition	CSA C22.2 No. 60950-1-07, 2 <sup>nd</sup> Edition	CSA C22.2 No. 60950-1-07, 2 <sup>nd</sup> Edition	CSA C22.2 No. 60950-1-07, 2 <sup>nd</sup> Edition
	AS/NZS 60950	AS/NZS 60951	AS/NZS 60950	AS/NZS 60952	AS/NZS 60953					
<b>Electromagnetic compatibility (EMC)</b>	47 CFR Part 15 CISPR22: Edition 6.0 CNS1343 8 EN 300 386 V1.6.1 EN 55022 EN61000-3-2 EN61000-3-3 ICES-003	47 CFR Part 15 CISPR22: Edition 6.0 CNS13438 EN 300 386 V1.6.1 EN 55022 EN61000-3-2 ICES-003 Issue 5 QCVN 54:	IP40 per IEC 60529 47 CFR Part 15 CISPR22: Edition 6.0 CNS1343 8 EN 300 386 V1.6.1 EN 55022 EN61000-3-2 EN61000-3-3	47 CFR Part 15 CISPR22: Edition 6.0 CNS1343 8 EN 300 386 V1.6.1 EN 55022 EN61000-3-2 EN61000-3-3	47 CFR Part 15 CISPR22: Edition 6.0 CNS1343 8 EN 300 386 V1.6.1 EN 55022 EN61000-3-2 ICES-003	CE: EN55022 2006+A1: 2007 Class A; EN55024 1998+A1: 2001+A2: 2003; EN61000-3-2 2009; EN61000-3-3 2008	CE: EN55022 2006+A1: 2007 Class A; EN55024 1998+A1: 2001+A2: 2003; EN61000-3-2 2009; EN61000-3-3 2008	CE: EN55022 2006+A1: 2007 Class A; EN55024 1998+A1: 2001+A2: 2003; EN61000-3-2 2009; EN61000-3-3 2008	CE: EN55022 2006+A1: 2007 Class A; EN55024 1998+A1: 2001+A2: 2003; EN61000-3-2 2009; EN61000-3-3 2008	CE: EN55022 2006+A1: 2007 Class A; EN55024 1998+A1: 2001+A2: 2003; EN61000-3-2 2009; EN61000-3-3 2008

Feature	Cisco ASA 5506-X w/ FirePOWER Services	Cisco ASA 5506W-X w/ FirePOWER Services	Cisco ASA 5506H-X w/ FirePOWER Services	Cisco ASA 5508-X w/ FirePOWER Services	Cisco ASA 5516-X w/ FirePOWER Services	Cisco ASA 5512-X w/ FirePOWER Services	Cisco ASA 5515-X w/ FirePOWER Services	Cisco ASA 5525-X w/ FirePOWER Services	Cisco ASA 5545-X w/ FirePOWER Services	Cisco ASA 5555-X w/ FirePOWER Services
	Issue 5 QCVN 54: BTTTT TCVN 7189 VCCI: V-3 CISPR24 EN 300 386 V1.6.1 EN301 489-1 v1.9.2 EN301 489-17 v2.1.1 EN301 489-17 v2.1.1 EN301 489-24 v1.5.1 EN301 489-4 V1.4.1 EN301 489-7 v1.3.1 EN55024 QCVN 18: v1.3.1 EN55024 BTTTT TCVN 7317	BTTTT TCVN VCCI: V-3 CISPR24 EN 300 386 V1.6.1 EN301 489-1 v1.9.2 EN301 489-17 v2.1.1 EN301 489-24 v1.5.1 EN301 489-4 V1.4.1 EN301 489-7 v1.3.1 EN55024 QCVN 18: BTTTT TCVN 7317	EN6100-3-11 EN6100-3-12 ICES-003 Issue 5 QCVN 54: BTTTT TCVN 7189 VCCI: V-3 CISPR24 EN 300 386 V1.6.1 EN301 489-1 v1.9.2 EN301 489-17 v2.1.1 EN301 489-24 v1.5.1 EN301 489-4 V1.4.1 EN301 489-7 v1.3.1 EN55024 QCVN 18: BTTTT TCVN 7317 KN22 IEC61850-3 IEC61000-6-5 IEC61000-5 IEC61100-0-4-18 IEEE1613.1 IEEEEC62.412 IEC1613, IEC61850-3, IEC60068-2	ICES-003 Issue 5 QCVN 54: BTTTT TCVN 7189 VCCI: V-3 CISPR24 EN 300 386 V1.6.1 EN301 489-1 v1.9.2 EN301 489-17 v2.1.1 EN301 489-24 v1.5.1 EN301 489-4 V1.4.1 EN301 489-7 v1.3.1 EN55024 QCVN 18: BTTTT TCVN 7317	Issue 5 QCVN 54: BTTTT TCVN 7189 VCCI: V-3 CISPR24 EN 300 386 V1.6.1 EN301 489-1 v1.9.2 EN301 489-17 v2.1.1 EN301 489-24 v1.5.1 EN301 489-4 V1.4.1 EN301 489-7 v1.3.1 EN55024 QCVN 18: BTTTT TCVN 7317	FCC: CFR 47, Part 15 Subpart B Class A 2010, ANSI C63.4 2009	FCC: CFR 47, Part 15 Subpart B Class A 2010, ANSI C63.4 2009	FCC: CFR 47, Part 15 Subpart B Class A 2010,ANSI C63.4 2009	FCC: CFR 47, Part 15 Subpart B Class A 2010,ANSI C63.4 2009	FCC: CFR 47, Part 15 Subpart B Class A 2010,ANSI C63.4 2009
<b>Industry certifications</b>	In process	In process	In process	In process	In process	In process	In process	In process	In process	In process

<sup>1</sup> Maximum throughput measured with UDP traffic under ideal conditions.  
<sup>2</sup> Multiprotocol = Traffic profile consisting primarily of TCP-based protocols/applications like HTTP, SMTP, FTP, IMAPv4, BitTorrent, and DNS.  
<sup>3</sup> VPN throughput and sessions count depend on the ASA device configuration and VPN traffic patterns. These elements should be taken into consideration as part of your capacity planning.  
<sup>4</sup> Separately licensed feature. For AnyConnect, licenses are purchased based on feature tier (Plus/Apex), term and authorized user license. See ordering guide below for detailed ordering instructions.  
<sup>5</sup> Higher specifications are associated with the Security Plus license.  
<sup>6</sup> Usable space dependent upon system software.  
<sup>7</sup> Derate the maximum operating temperature 1.5°C per 1000 ft above sea level.

## Hardware Product Performance and Specifications

Table 4 provides a comparison of the Cisco ASA with Cisco FirePOWER Security Services Processor (SSP) 10, 20, 40, and 60 hardware blades.

**Table 4.** Cisco ASA 5585-X with FirePOWER Services Hardware Blade Capabilities and Capacities

Feature	Cisco ASA 5585-X SSP-10 w/ FirePOWER Services	Cisco ASA 5585-X SSP-20 w/ FirePOWER Services	Cisco ASA 5585-X SSP-40 w/ FirePOWER Services	Cisco ASA 5585-X SSP-60 w/ FirePOWER Services
Maximum application control (AVC) throughput	4.5 Gbps	7 Gbps	10 Gbps	15 Gbps
Maximum application control (AVC) and NGIPS throughput	2 Gbps	3.5 Gbps	6 Gbps	10 Gbps
Maximum concurrent sessions	500,000	1,000,000	1,800,000	4,000,000
Maximum New Connections per second	40,000	75,000	120,000	160,000
Application control (AVC) or IPS sizing throughput [440 byte HTTP]	1.2 Gbps	2 Gbps	3.5 Gbps	6 Gbps
Supported applications	More than 3,000			
URL categories	80+			
Number of URLs categorized	More than 280 million			
Centralized configuration, logging, monitoring, and reporting	Multi-device Cisco Security Manager and Cisco FireSIGHT Management Center			

Product Model	Cisco ASA 5585-X SSP-10 w/ FirePOWER Services	Cisco ASA 5585-X SSP-20 w/ FirePOWER Services	Cisco ASA 5585-X SSP-40 w/ FirePOWER Services	Cisco ASA 5585-X SSP-60 w/ FirePOWER Services
<b>Technical Specifications</b>				
Memory	12 GB	24 GB	24 GB	48 GB
Minimum flash	8 GB			
Management and monitoring interface	2 Ethernet 10/100/1000 ports			

### ASA 5585-X with FirePOWER Services - Extended Performance (EP) Models

The Extended Performance (EP) models address the need to run multiple services without sacrificing performance. As services are activated on the EP models, the performance levels remain predictable and consistent.

**Table 5.** Cisco ASA 5585-X with FirePOWER Services - Extended Performance (EP) Hardware Blade Capabilities and Capacities

Feature	Cisco ASA 5585-X SSP EP 10/40 w/ FirePOWER Services	Cisco ASA 5585-X SSP EP 20/60 w/ FirePOWER Services
Maximum Throughput: Application Control (AVC)	4.5 Gbps	7 Gbps
Maximum Throughput: Application Control (AVC) and IPS	4.5 Gbps	7 Gbps
Maximum concurrent sessions	500,000	1,000,000
Maximum New Connections per second	40,000	75,000
Sizing Throughput [440 byte HTTP]: Application Control (AVC) or IPS	1.2 Gbps	2 Gbps
Sizing Throughput [440 byte HTTP]: Multiple Services Profile	1.2 Gbps	2 Gbps
Supported applications	More than 3,000	
URL categories	80+	

Feature	Cisco ASA 5585-X SSP EP 10/40 w/ FirePOWER Services	Cisco ASA 5585-X SSP EP 20/60 w/ FirePOWER Services
Number of URLs categorized	More than 280 million	
Centralized configuration, logging, monitoring, and reporting	Multi-device Cisco Security Manager and Cisco FireSIGHT Management Center	
<b>Technical Specifications</b>		
Memory	24 GB	48 GB
Minimum flash	8 GB	
Management and monitoring interface	2 Ethernet 10/100/1000 ports	

## Platform Support/Compatibility

Cisco ASA with FirePOWER Services include Cisco ASA firewalling, AVC, URL filtering, NGIPS, and AMP. This unique set of capabilities is available on the Cisco ASA 5500-X Series NGFW platforms: Cisco ASA 5506-X, 5506W-X, 5506H-X, 5508-X, 5516-X, 5512-X, 5515-X, 5525-X, 5545-X, 5555-X, and 5585-X with Security Services Processor SSP-10, SSP-20, SSP-40, and SSP-60.

The Cisco ASA 5585-X FirePOWER Services SSP-10, SSP-20, SSP-40, and SSP-60 hardware blades are supported on the Cisco ASA 5585-X platform. Cisco ASA 5585-X SSP-10, SSP-20, SSP-40, and SSP-60 firewalls require Cisco ASA Software Release 9.2.2 and later. Cisco ASA with FirePOWER Services software is supported on the Cisco ASA 5500-X Series of next-generation midrange security appliances running Cisco ASA Software Release 9.2.2 and later. Cisco FireSIGHT Management Center and [Cisco Security Manager](#) are required to manage Cisco ASA with FirePOWER Services ASA 5512-X, 5515-X, 5525-X, 5545-X, 5555-X, and 5585-X with Security Services Processor SSP-10, SSP-20, SSP-40, and SSP-60. ASDM V 7.3.x is available on-device to manage single instance deployments of Cisco ASA 5506-X, 5506W-X, 5506H-X, 5508-X, and 5516-X with FirePOWER Services.

## Ordering Information

To place an order, visit the [Cisco ordering homepage](#). Table 5 provides ordering information for Cisco ASA with FirePOWER Services.

**Table 6.** Cisco ASA with FirePOWER Services Ordering Information

The following table includes Cisco ASA FirePOWER Services bundle SKUs (including hardware and subscription) that offer a convenient mechanism for ordering both the appliances and software subscriptions in a single SKU configuration. It is the recommended mode of configuration for ordering. Standalone AMP license and subscriptions are also available to **upgrade** an existing TA or TAC subscription license. Please see the ASA with FirePOWER Services Ordering Guide for details.

Cisco ASA with FirePOWER Services 5500-X Series Bundles (Hardware and Subscription)	
ASA 5506-X with FirePOWER Svcs. Chassis and Subs. Bundle	ASA5506-FPWR-BUN
ASA 5506W-X with FirePOWER Svcs. WiFi Chassis and Subs. Bundle	ASA5506W-FPWR-BUN
ASA 5508-X with FirePOWER Svcs. Chassis and Subs. Bundle	ASA5508-FPWR-BUN
ASA 5516-X with FirePOWER Svcs. Chassis and Subs. Bundle	ASA5516-FPWR-BUN
ASA 5512-X with FirePOWER Svcs. Chassis and Subs. Bundle	ASA5512-FPWR-BUN
ASA 5515-X with FirePOWER Svcs. Chassis and Subs. Bundle	ASA5515-FPWR-BUN
ASA 5525-X with FirePOWER Svcs. Chassis and Subs. Bundle	ASA5525-FPWR-BUN
ASA 5545-X with FirePOWER Svcs. Chassis and Subs. Bundle	ASA5545-FPWR-BUN
ASA 5555-X with FirePOWER Svcs. Chassis and Subs. Bundle	ASA5555-FPWR-BUN
Cisco ASA with FirePOWER Services 5585-X Bundles (Hardware and Services Subscription)	
ASA 5585-X SSP-10 with FirePOWER Svcs. Chassis and Subs.	ASA5585-S10F10-BUN
ASA 5585-X SSP-10X with FirePOWER Svcs. Chassis and Subs.	ASA5585-S10F10X-BN
ASA 5585-X EP S10F40 with FirePOWER Svcs. Chassis-Subs.	ASA5585-S10F40-BUN
ASA 5585-X SSP-20 with FirePOWER Svcs. Chassis and Subs.	ASA5585-S20F20-BUN
ASA 5585-X SSP-20X with FirePOWER Svcs. Chassis and Subs.	ASA5585-S20F20X-BN
ASA 5585-X EP S20F60 with FirePOWER Svcs. Chassis-Subs.	ASA5585-S20F60-BUN
ASA 5585-X SSP-40 with FirePOWER Svcs. Chassis and Subs.	ASA5585-S40F40-BUN
ASA 5585-X SSP-60 with FirePOWER Svcs. Chassis and Subs.	ASA5585-S60F60-BUN

Product Description	Part Number
<b>Cisco ASA 5506-X Series Low-End Appliances (Hardware)</b>	
ASA 5506-X with FirePOWER services, 8GE Data, 1GE Mgmt, AC, DES	ASA5506-K8
ASA 5506-X with FirePOWER services, 8GE Data, 1GE Mgmt, AC, 3DES/AES	ASA5506-K9
ASA 5506W-A-X with FirePOWER services, WiFi for North America, 8GE Data, 1GE Mgmt, AC, 3DES/AES	ASA5506W-A-K9
ASA 5506W-E-X with FirePOWER services, WiFi for Europe, 8GE Data, 1GE Mgmt, AC, 3DES/AES	ASA5506W-E-K9
ASA 5506W-Q-X with FirePOWER services, WiFi for Japan, 8GE Data, 1GE Mgmt, AC, 3DES/AES	ASA5506W-Q-K9
ASA 5506W-Z-X with FirePOWER services, WiFi for Australia/New Zealand, 8GE Data, 1GE Mgmt, AC, 3DES/AES	ASA5506W-Z-K9
ASA 5506H-X with FirePOWER services, ruggedized, security plus, 4GE Data, 1GE Mgmt, AC, 3DES/AES	ASA5506H-SP-BUN-K9
ASA 5508-X with FirePOWER services, 8GE Data, 1GE Mgmt, AC, DES	ASA5508-K8
ASA 5508-X with FirePOWER services, 8GE Data, 1GE Mgmt, AC, 3DES/AES	ASA5508-K9
ASA 5516-X with FirePOWER services, 8GE Data, 1GE Mgmt, AC, DES	ASA5516-K8
ASA 5516-X with FirePOWER services, 8GE Data, 1GE Mgmt, AC, 3DES/AES	ASA5516-K9
<b>Cisco ASA 5500-X Series Midrange Appliances (Hardware)</b>	
ASA 5512-X with FirePOWER Services, 6GE data, AC, 3DES/AES, SSD	ASA5512-FPWR-K9
ASA 5515-X with FirePOWER Services, 6GE data, AC, 3DES/AES, SSD	ASA5515-FPWR-K9
ASA 5525-X with FirePOWER Services, 8GE data, AC, 3DES/AES, SSD	ASA5525-FPWR-K9
ASA 5545-X with FirePOWER Services, 8GE data, AC, 3DES/AES, 2 SSD	ASA5545-FPWR-K9
ASA 5555-X with FirePOWER Services, 8GE data, AC, 3DES/AES, 2 SSD	ASA5555-FPWR-K9
<b>Cisco ASA 5585-X Appliances (Hardware)</b>	
ASA 5585-X chassis with SSP-10, FirePOWER SSP-10, 16GE, 4GE mgmt, 1 AC, 3DES/AES	ASA5585-S10F10-K9
ASA 5585-X chassis with SSP-10, FirePOWER SSP-10, 16GE, 4SFP+, 2 AC, 3DES/AES	ASA5585-S10F10XK9
ASA 5585-X EP SSP-10, FP SSP-40, 14GE, 6SFP+, 1AC, 3DES/AES	ASA5585-S10F40-K9



Product Description	Part Number	
ASA 5585-X chassis with SSP-20, FirePOWER SSP-20, 16GE, 4GE mgmt, 1 AC, 3DES/AES	ASA5585-S20F20-K9	
ASA 5585-X chassis with SSP-20, FirePOWER SSP-20, 16GE, 4SFP+, 2 AC, 3DES/AES	ASA5585-S20F20XK9	
ASA 5585-X EP SSP-20, FP SSP-60, 14GE, 6SFP+, 1AC, 3DES/AES	ASA5585-S20F60-K9	
ASA 5585-X chassis with SSP-40, FirePOWER SSP-40, 12GE, 8SFP+, 1 AC, 3DES/AES	ASA5585-S40F40-K9	
ASA 5585-X chassis with SSP-60, FirePOWER SSP-60, 12GE, 8 SFP+, 2 AC, 3DES/AES	ASA5585-S60S60-K9	
<b>ASA with FirePOWER Services Software Subscriptions: 3-Year Term (1-Year Service Software Bundle Subscriptions Can be Purchased as well as Individual Cisco IPS, AMP, and URL Filtering Service Software Subscriptions with 1-Year and 3-Year Terms)</b>		
Cisco ASA5506 FirePOWER IPS and Apps 3YR Subscription	L-ASA5506-TA=	L-ASA5506-TA-3Y
Cisco ASA5506 FirePOWER IPS, Apps and URL 3YR Subscription	L-ASA5506-TAC=	L-ASA5506-TAC-3Y
Cisco ASA5506 FirePOWER IPS, Apps and AMP 3YR Subscription	L-ASA5506-TAM=	L-ASA5506-TAM-3Y
Cisco ASA5506 FirePOWER IPS, Apps, AMP and URL 3YR Subscription	L-ASA5506-TAMC=	L-ASA5506-TAMC-3Y
Cisco ASA5506 FirePOWER URL Filtering 3YR Subscription	L-ASA5506-URL=	L-ASA5506-URL-3Y
Cisco ASA5506W FirePOWER IPS and Apps 3YR Subscription	L-ASA5506W-TA=	L-ASA5506W-TA-3Y
Cisco ASA5506W FirePOWER IPS, Apps and URL 3YR Subscription	L-ASA5506W-TAC=	L-ASA5506W-TAC-3Y
Cisco ASA5506W FirePOWER IPS, Apps and AMP 3YR Subscription	L-ASA5506W-TAM=	L-ASA5506W-TAM-3Y
Cisco ASA5506W FirePOWER IPS, Apps, AMP and URL 3YR Subscription	L-ASA5506W-TAMC=	L-ASA5506W-TAMC-3Y
Cisco ASA5506W FirePOWER URL Filtering 3YR Subscription	L-ASA5506W-URL=	L-ASA5506W-URL-3Y
Cisco ASA5506H FirePOWER IPS and Apps 3YR Subscription	L-ASA5506H-TA=	L-ASA5506H-TA-3Y
Cisco ASA5506H FirePOWER IPS, Apps and URL 3YR Subscription	L-ASA5506H-TAC=	L-ASA5506H-TAC-3Y
Cisco ASA5506H FirePOWER IPS, Apps and AMP 3YR Subscription	L-ASA5506H-TAM=	L-ASA5506H-TAM-3Y
Cisco ASA5506H FirePOWER IPS, Apps, AMP and URL 3YR Subscription	L-ASA5506H-TAMC=	L-ASA5506H-TAMC-3Y
Cisco ASA5508 FirePOWER IPS and Apps 3YR Subscription	L-ASA5508-TA=	L-ASA5508-TA-3Y
Cisco ASA5508 FirePOWER IPS, Apps and URL 3YR Subscription	L-ASA5508-TAC=	L-ASA5508-TAC-3Y
Cisco ASA5508 FirePOWER IPS, Apps and AMP 3YR Subscription	L-ASA5508-TAM=	L-ASA5508-TAM-3Y
Cisco ASA5508 FirePOWER IPS, Apps, AMP and URL 3YR Subscription	L-ASA5508-TAMC=	L-ASA5508-TAMC-3Y
Cisco ASA5508 FirePOWER URL Filtering 3YR Subscription	L-ASA5508-URL=	L-ASA5508-URL-3Y
Cisco ASA5516 FirePOWER IPS and Apps 3YR Subscription	L-ASA5516-TA=	L-ASA5516-TA-3Y

Product Description	Part Number	
Cisco ASA5516 FirePOWER IPS, Apps and URL 3YR Subscription	L-ASA5516-TAC=	L-ASA5516-TAC-3Y
Cisco ASA5516 FirePOWER IPS, Apps and AMP 3YR Subscription	L-ASA5516-TAM=	L-ASA5516-TAM-3Y
Cisco ASA5516 FirePOWER IPS, Apps, AMP and URL 3YR Subscription	L-ASA5516-TAMC=	L-ASA5516-TAMC-3Y
Cisco ASA5516 FirePOWER URL Filtering 3YR Subscription	L-ASA5516-URL=	L-ASA5516-URL-3Y
Cisco ASA5512 FirePOWER IPS and Apps 3YR Subscription	L-ASA5512-TA=	L-ASA5512-TA-3Y
Cisco ASA5512 FirePOWER IPS, Apps and URL 3YR Subscription	L-ASA5512-TAC=	L-ASA5512-TAC-3Y
Cisco ASA5512 FirePOWER IPS, Apps and AMP 3YR Subscription	L-ASA5512-TAM=	L-ASA5512-TAM-3Y
Cisco ASA5512 FirePOWER IPS, Apps, AMP and URL 3YR Subscription	L-ASA5512-TAMC=	L-ASA5512-TAMC-3Y
Cisco ASA5512 FirePOWER URL Filtering 3YR Subscription	L-ASA5512-URL=	L-ASA5512-URL-3Y
Cisco ASA5515 FirePOWER IPS and Apps 3YR Subscription	L-ASA5515-TA=	L-ASA5515-TA-3Y
Cisco ASA5515 FirePOWER IPS, Apps and URL 3YR Subscription	L-ASA5515-TAC=	L-ASA5515-TAC-3Y
Cisco ASA5515 FirePOWER IPS, Apps and AMP 3YR Subscription	L-ASA5515-TAM=	L-ASA5515-TAM-3Y
Cisco ASA5515 FirePOWER IPS, Apps, AMP and URL 3YR Subscription	L-ASA5515-TAMC=	L-ASA5515-TAMC-3Y
Cisco ASA5515 FirePOWER URL Filtering 3YR Subscription	L-ASA5515-URL=	L-ASA5515-URL-3Y
Cisco ASA5525 FirePOWER IPS and Apps 3YR Subscription	L-ASA5525-TA=	L-ASA5525-TA-3Y
Cisco ASA5525 FirePOWER IPS, Apps and URL 3YR Subscription	L-ASA5525-TAC=	L-ASA5525-TAC-3Y
Cisco ASA5525 FirePOWER IPS, Apps and AMP 3YR Subscription	L-ASA5525-TAM=	L-ASA5525-TAM-3Y
Cisco ASA5525 FirePOWER IPS, Apps, AMP and URL 3YR Subscription	L-ASA5525-TAMC=	L-ASA5525-TAMC-3Y
Cisco ASA5525 FirePOWER URL Filtering 3YR Subscription	L-ASA5525-URL=	L-ASA5525-URL-3Y
Cisco ASA5545 FirePOWER IPS and Apps 3YR Subscription	L-ASA5545-TA=	L-ASA5545-TA-3Y
Cisco ASA5545 FirePOWER IPS, Apps and URL 3YR Subscription	L-ASA5545-TAC=	L-ASA5545-TAC-3Y
Cisco ASA5545 FirePOWER IPS, Apps and AMP 3YR Subscription	L-ASA5545-TAM=	L-ASA5545-TAM-3Y
Cisco ASA5545 FirePOWER IPS, Apps, AMP and URL 3YR Subscription	L-ASA5545-TAMC=	L-ASA5545-TAMC-3Y
Cisco ASA5545 FirePOWER URL Filtering 3YR Subscription	L-ASA5545-URL=	L-ASA5545-URL-3Y
Cisco ASA5555 FirePOWER IPS and Apps 3YR Subscription	L-ASA5555-TA=	L-ASA5555-TA-3Y
Cisco ASA5555 FirePOWER IPS, Apps and URL 3YR Subscription	L-ASA5555-TAC=	L-ASA5555-TAC-3Y
Cisco ASA5555 FirePOWER IPS, Apps and AMP 3YR Subscription	L-ASA5555-TAM=	L-ASA5555-TAM-3Y
Cisco ASA5555 FirePOWER IPS, Apps, AMP and URL 3YR Subscription	L-ASA5555-TAMC=	L-ASA5555-TAMC-3Y

Product Description	Part Number	
Cisco ASA5555 FirePOWER URL Filtering 3YR Subscription	L-ASA5555-URL=	L-ASA5555-URL-3Y
Cisco ASA5585-10 FirePOWER IPS and Apps 3YR Subscription	L-ASA5585-10-TA=	L-ASA5585-10-TA-3Y
Cisco ASA5585-10 FirePOWER IPS, Apps and URL 3YR Subscription	L-ASA5585-10-TAC=	L-ASA5585-10-TAC-3Y
Cisco ASA5585-10 FirePOWER IPS, Apps and AMP 3YR Subscription	L-ASA5585-10-TAM=	L-ASA5585-10-TAM-3Y
Cisco ASA5585-10 FirePOWER IPS, Apps, AMP and URL 3YR Subscription	L-ASA5585-10-TAMC=	L-ASA5585-10-TAMC-3Y
Cisco ASA5585-10 FirePOWER URL Filtering 3YR Subscription	L-ASA5585-10-URL=	L-ASA5585-10-URL-3Y
Cisco ASA5585-20 FirePOWER IPS and Apps 3YR Subscription	L-ASA5585-20-TA=	L-ASA5585-20-TA-3Y
Cisco ASA5585-20 FirePOWER IPS, Apps and URL 3YR Subscription	L-ASA5585-20-TAC=	L-ASA5585-20-TAC-3Y
Cisco ASA5585-20 FirePOWER IPS, Apps and AMP 3YR Subscription	L-ASA5585-20-TAM=	L-ASA5585-20-TAM-3Y
Cisco ASA5585-20 FirePOWER IPS, Apps, AMP and URL 3YR Subscription	L-ASA5585-20-TAMC=	L-ASA5585-20-TAMC-3Y
Cisco ASA5585-20 FirePOWER URL Filtering 3YR Subscription	L-ASA5585-20-URL=	L-ASA5585-20-URL-3Y
Cisco ASA5585-40 FirePOWER IPS and Apps 3YR Subscription	L-ASA5585-40-TA=	L-ASA5585-40-TA-3Y
Cisco ASA5585-40 FirePOWER IPS, Apps and URL 3YR Subscription	L-ASA5585-40-TAC=	L-ASA5585-40-TAC-3Y
Cisco ASA5585-40 FirePOWER IPS, Apps and AMP 3YR Subscription	L-ASA5585-40-TAM=	L-ASA5585-40-TAM-3Y
Cisco ASA5585-40 FirePOWER IPS, Apps, AMP and URL 3YR Subscription	L-ASA5585-40-TAMC=	L-ASA5585-40-TAMC-3Y
Cisco ASA5585-40 FirePOWER URL Filtering 3YR Subscription	L-ASA5585-40-URL=	L-ASA5585-40-URL-3Y
Cisco ASA5585-60 FirePOWER IPS and Apps 3YR Subscription	L-ASA5585-60-TA=	L-ASA5585-60-TA-3Y
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## To Download the Software

Visit the [Cisco Software Center](#) to download Cisco ASA with FirePOWER Services Software.

## For More Information

For more information, please visit the following links:

- Cisco ASA 5500-X Series Next-Generation Firewalls:  
<http://www.cisco.com/go/asa>.
- Cisco Security Manager:  
<http://www.cisco.com/c/en/us/products/security/security-manager/index.html>.
- Cisco Adaptive Security Device Manager:  
<http://www.cisco.com/c/en/us/products/security/adaptive-security-device-manager/index.html>.
- Cisco Security Services:  
[http://www.cisco.com/en/US/products/svcs/ps2961/ps2952/serv\\_group\\_home.html](http://www.cisco.com/en/US/products/svcs/ps2961/ps2952/serv_group_home.html).
- Cisco AnyConnect Secure Mobility Client  
<http://www.cisco.com/go/anyconnect>.
- Cisco AnyConnect Ordering Guide  
<http://www.cisco.com/c/dam/en/us/products/security/anyconnect-og.pdf>.



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