

Sophos XG Series

Product Matrix

Updated August 24, 2020

Sophos XG Series

2U: Performance and Data Center

	MODEL	PERFORMANCE		DATA CENTER
		XG 550 Rev.2	XG 650 Rev.2	XG 750 Rev.2
PERFORMANCE / THROUGHPUT (SFOS v18)	Firewall Throughput (Mbps)	75,000	85,000	100,000
	Firewall IMIX (Mbps)	34,000	34,500	38,000
	IPS Throughput (Mbps)	17,000	20,250	23,000
	IPsec VPN (Mbps)	8,500	9,000	12,500
	IPsec Tunnels (Connections)	3,000	3,000	3,000
	NGFW Throughput (Mbps)	15,300	18,000	19,200
	Threat Protection (Mbps)	6,000	7,700	9,400
	Concurrent Connections	15,740,000	30,000,000	30,000,000
	New Connections / Sec	213,800	220,000	223,500
	Performance Latency: 64-byte packet	113	100	86
	Xstream SSL Decryption + Threat Protection (Mbps)	1,000	1,350	1,400
	Xstream SSL Concurrent Connections	204,800	512,000	512,000
	PHYSICAL SPECIFICATIONS	Form Factor	2U rackmount	2U rackmount
Memory		24 GB DDR4 ECC	48 GB DDR4 ECC	64 GB DDR4 ECC
Hard Drive/Storage		2*SSD (RAID-1) hot-swap	2*SSD (RAID-1) hot-swap	2*SSD (RAID-1) hot-swap
Ethernet Ports				
GigEth Copper		8 (default module)	8 (default module)	8 (default module)
GigEth SFP GBIC		-	-	-
Flexiport/LAN module slots		4	6	8
GigEth MGMT		2	2	2
Bypass Interfaces		Module	Module	Module
I/O Ports				
USB		3 (2 front, 1 rear)	3 (2 front, 1 rear)	3 (2 front, 1 rear)
COM		1 (front) RJ45	1 (front) RJ45	1 (front) RJ45
VGA		1 (rear)	1 (rear)	1 (rear)
Power Supply	2*Internal auto- ranging ATX 100-240VAC, 50- 60 Hz, hot-swap	2*Internal auto- ranging ATX 100-240VAC, 50- 60 Hz, hot-swap	2*Internal auto- ranging ATX 100-240VAC, 50- 60 Hz, hot-swap	

Sophos XG Series

1U: Distributed Edge

		DISTRIBUTED EDGE					
		XG 210 Rev.3	XG 230 Rev.2	XG 310 Rev.2	XG 330 Rev.2	XG 430 Rev.2	XG 450 Rev.2
PERFORMANCE / THROUGHPUT (SFOS v18)	MODEL						
	Firewall Throughput (Mbps)	29,000	32,000	35,000	38,000	55,000	65,000
	Firewall IMIX (Mbps)	12,100	14,800	21,200	24,200	26,900	34,000
	IPS Throughput (Mbps)	4,200	4,900	7,200	10,000	10,800	14,700
	IPsec VPN (Mbps)	1,920	2,100	3,050	3,940	5,000	6,100
	IPsec Tunnels (Connections)	1,700	2,400	3,000	3,000	3,000	3,000
	NGFW Throughput (Mbps)	3,200	4,500	5,300	9,300	10,000	13,900
	Threat Protection (Mbps)	800	1,000	1,550	2,100	2,200	3,400
	Concurrent Connections	6,570,000	6,570,000	10,170,000	10,490,000	13,640,000	13,640,000
	New Connections / Sec	88,900	108,900	138,000	140,000	146,000	187,000
	Performance Latency: 64-byte packet	89	95	87	66	80	81
	Xstream SSL Decryption + Threat Protection (Mbps)	230	280	370	560	600	770
	Xstream SSL Concurrent Connections	18,432	18,432	55,296	55,296	102,400	102,400
PHYSICAL SPECIFICATIONS	Form Factor	1U rackmount	1U rackmount	1U rackmount	1U rackmount	1U rackmount	1U rackmount
	Memory	8 GB DDR4	8 GB DDR4	12 GB DDR4	12 GB DDR4	16 GB DDR4	16 GB DDR4
	Hard Drive/Storage	SSD	SSD	SSD	SSD	SSD	2*SSD (RAID-1)
	Ethernet Ports						
	GigEth Copper	6	6	8	8	8	8
	GigEth SFP GBIC	2	2	2	2	-	-
	GigEth SFP+ GBIC	-	-	2	2	2	2
	Flexiport/LAN module slots	1	1	1	1	2	2
	IPMI	-	-	-	-	1	1
	Bypass Interfaces	Onboard +Module	Onboard +Module	Onboard +Module	Onboard +Module	Onboard +Module	Onboard +Module
	I/O Ports						
	USB	3 (2 front, 1 rear)	3 (2 front, 1 rear)	3 (2 front, 1 rear)	3 (2 front, 1 rear)	3 (2 front, 1 rear)	3 (2 front, 1 rear)
	COM	2 (front) RJ45/ Micro USB	2 (front) RJ45/ Micro USB	2 (front) RJ45/ Micro USB	2 (front) RJ45/ Micro USB	2 (front) RJ45/ Micro USB	2 (front) RJ45/ Micro USB
	HDMI	1 (rear)	1 (rear)	1 (rear)	1 (rear)	1 (rear)	1 (rear)
	Power Supply	Internal auto- ranging 100-240VAC, 50-60 Hz	Internal auto- ranging 100-240VAC, 50-60 Hz	Internal auto- ranging 100-240VAC, 50-60 Hz	Internal auto- ranging 100-240VAC, 50-60 Hz	Internal auto- ranging 100-240VAC, 50-60 Hz	Internal auto- ranging 100-240VAC, 50-60 Hz
	2nd Power Supply Option	External redundant PSU option	External redundant PSU option	External redundant PSU option	External redundant PSU option	External redundant PSU option	Internal hot swap redundant PSU option

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Desktop: SMB and Branch Office

	MODEL	SMB AND BRANCH OFFICE				
		XG 86(w) Rev.1	XG 106(w) Rev.1	XG 115(w) Rev.3	XG 125(w) Rev.3	XG 135(w) Rev.3
PERFORMANCE / THROUGHPUT (SFOS v1.8)	Firewall Throughput (Mbps)	3,100	3,550	4,000	7,000	7,500
	Firewall IMIX (Mbps)	850	2,000	2,700	3,500	4,300
	IPS Throughput (Mbps)	480	490	950	1,530	1,900
	IPsec VPN (Mbps)	225	330	560	1,500	1,700
	IPsec Tunnels (Connect.)	200	310	500	750	1,600
	NGFW Throughput (Mbps)	350	400	1,000	1,275	1,800
	Threat Protection (Mbps)	145	150	375	400	600
	Concurrent Connections	1,570,000	1,570,000	1,570,000	1,570,000	4,200,000
	New Connections / Sec	14,500	14,700	19,400	29,300	37,200
	Xstream SSL Decryption + Threat Protection (Mbps)	75	75	130	170	210
	Xstream SSL Concurrent Connections	8,192	8,192	8,192	8,192	12,288
PHYSICAL SPECIFICATIONS	Form Factor	desktop	desktop	desktop	desktop	desktop
	Memory	4 GB DDR3L SoDIMM	4 GB DDR3L SoDIMM	4 GB DDR3L SoDIMM	4 GB DDR4 UDIMM	6 GB DDR4 UDIMM
	Hard Drive/Storage	eMMC	SSD	SSD	SSD	SSD
	Ethernet Ports	4x GE	4x GE + 1xSFP (shared w/ eth3/Port4)	4x GE + 1xSFP (shared w/ eth3/Port4)	8x GE + 1xSFP	8x GE + 1xSFP
	GigEth Copper	4	4	4	8	8
	GigEth SFP GBIC	-	1	1	1	1
	Expansion Bay	n/a	n/a	n/a	available	available
	Internal Radio for w-model	802.11 a/b/g/n/ac dual band selectable full-size mini pcie card 2 antennas	802.11 a/b/g/n/ac dual band selectable full-size mini pcie card 2 antennas	802.11 a/b/g/n/ac dual band selectable full-size mini pcie card 2 antennas	802.11 a/b/g/n/ac dual band selectable full-size mini pcie card 3 antennas	802.11 a/b/g/n/ac dual band selectable full-size mini pcie card 3 antennas
	Optional connectivity modules	-	SFP VDSL	SFP VDSL	SFP VDSL 3G/4G Module	SFP VDSL 3G/4G Module 2nd Wi-Fi (135w only)
	I/O Ports					
	USB	2 (rear) USB 2.0	2 (rear) USB 2.0	2 (rear) USB 2.0	2 (rear) USB 2.0	2 (rear) USB 2.0
	CONSOLE	1 (rear) micro-usb primary 1 (rear) RJ45 secondary	1 (rear) micro-usb primary 1 (rear) RJ45 secondary	1 (rear) micro-usb primary 1 (rear) RJ45 secondary	1 (rear) micro-usb primary 1 (rear) RJ45 secondary	1 (rear) micro-usb primary 1 (rear) RJ45 secondary
	HDMI	n/a	1 (rear) Type A	1 (rear) Type A	1 (rear) Type A	1 (rear) Type A
	Power Supply	External auto-ranging DC: 12V 110-240VAC 24W @50-60 Hz	External auto-ranging DC: 12V 110-240VAC 36W @50-60 Hz	External auto-ranging DC: 12V 110-240VAC 36W @50-60 Hz	External auto-ranging DC: 12V 110-240VAC 36W @50-60 Hz	External auto-ranging DC: 12V 110-240VAC 36W @50-60 Hz
2nd Power Supply	-	optional	optional	optional	optional	

Notes:

- General: Max. throughput measured using SFOS v18 under ideal test conditions using industry standard Keysight-Ixia Breaking point test tools. Actual performance may vary depending on network conditions and activated services.
- FW: Measured using HTTP traffic and 512KB response size.
- FW IMIX: UDP throughput based on a combination of 66 byte, 570 byte and 1518 byte packet sizes.
- NGFW: Measured with IPS and Application Control enabled with HTTP traffic using default IPS ruleset and 512KB object size.
- IPS: Measured with IPS with HTTP traffic using default IPS ruleset and 512KB object size.
- IPSEC VPN: HTTP throughput using multiple tunnels and 512KB HTTP response size.
- Threat Protection: Measured with Firewall, IPS, Application Control, and Malware prevention enabled using HTTP 200KB response size.
- Xstream SSL decryption: Measured with IPS and Threat Protection enabled using HTTP traffic with 192KB response size.

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