

Sophos XG Series Product Matrix

Sophos XG Series 2U Rackmount Appliances

	MODEL	XG 550 Rev.2	XG 650 Rev.2	XG 750 Rev.2
PERFORMANCE	Firewall Throughput (Mbps) [1518-byte RFC 2544]	65,000	85,000	100,000
	IPS Throughput (Mbps)	17,000	20,000	22,000
	Performance Latency: 64-byte packet	113	100	86
	New Connections / Sec	220,000	240,000	300,000
	NGFW – Throughput (Mbps)	11,700	16,400	18,600
	Application Classification - Throughput	25,200	35,300	40,000
VPN	VPN Throughput (Mbps)	8,400	9,000	11,000
	IPSec Tunnels (Connections)	3,000	3,000	3,000
MAX. VALUES	Concurrent Connections	30,000,000	30,000,000	30,000,000
PHYSICAL SPECIFICATIONS	Form Factor	2U rackmount	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

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1U Rackmount Appliances

	MODEL	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	Firewall Throughput [Mbps] [1518-byte RFC 2544]	16,000	20,000	28,000	33,000	41,000	50,000
	IPS Throughput [Mbps]	3,000	4,200	5,500	8,500	9,000	10,000
	Performance Latency: 64-byte packet	89	95	87	66	80	81
	New Connections / Sec	135,000	140,000	200,000	200,000	200,000	200,000
	NGFW – Throughput [Mbps]	2,900	3,500	4,500	6,200	7,000	9,200
	Application Classification - Throughput	6,200	7,500	9,700	13,300	15,100	19,800
VPN	VPN Throughput [Mbps]	1,450	1,700	2,750	3,200	4,800	5,500
	IPSec Tunnels [Connections]	1,700	2,400	3,000	3,000	3,000	3,000
MAX. VALUES	Concurrent Connections	8,200,000	8,200,000	17,500,000	17,500,000	20,000,000	20,000,000
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 Appliances

	MODEL	XG 86 Rev.1	XG 106 Rev.1	XG 115 Rev.3	XG 125 Rev.3	XG 135 Rev.3
PERFORMANCE	Firewall Throughput Mbps (1518-byte RFC 2544)	3,000	3,500	4,000	6,500	8,000
	IPS Throughput (Mbps)	580	970	1,220	1,530	2,480
	Antivirus Throughput Mbps	360	450	600	700	1,580
	New Connections / Sec	15,000	28,000	35,000	35,000	85,000
	NGFW – Throughput (Mbps)	310	480	1,000	1,100	1,200
	Application Classification - Throughput	667	1,032	2,200	2,400	2,600
VPN	VPN Throughput Mbps	225	360	490	700	1,180
	IPSec Tunnels (Connections)	200	310	500	750	1,600
MAX. VALUES	Concurrent Connections	3,200,000	3,200,000	6,000,000	6,000,000	8,000,000
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	optional	

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Notes:

- › General: Max. throughput measured under ideal test conditions using SF-OS 17.5 with App-classification disabled using industry standard Spirent / Avalanche performance test and Ixia test tools. Actual performance may vary depending on network conditions and activated services.
- › FW: UDP throughput based on RFC 2544 using 1518 Byte packet size.
- › FW IMIX: UDP throughput based on a combination of 48 bytes, 576 bytes and 1518 bytes packet sizes.
- › IPS/NGFW: HTTP throughput using default IPS ruleset and 512KB object size (NGFW: with AppCtrl enabled)
- › VPN: HTTP throughput using multiple tunnels and 512KB HTTP response size
- › AV: HTTP throughput using Web proxy and 200KB response size
- › IPSec VPN performance measured with 1500-byte sized packets

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