

Sophos SG/XG Series Appliances

Technical Specifications

DESKTOP MODELS	Available as XG only	Available as SG and XG	Available as SG and XG	Available as SG and XG	Available as SG and XG
MODEL	85(w) rev.1	105(w) rev.2	115(w) rev.2	125(w) rev.2	135(w) rev.2
Form factor	desktop	desktop	desktop	desktop	desktop
TECHNICAL SPECS					
Processor	Intel Atom Baytrail Dual Core (1.33 GHz)	Intel Atom Baytrail Dual Core (1.46 GHz)	Intel Atom Baytrail Dual Core (1.75 GHz)	Intel Atom Rangeley Dual Core (1.7 GHz)	Intel Atom Rangeley Quad Core (2.4 GHz)
Memory	2 GB DDR3	2 GB DDR3	4 GB DDR3	4 GB DDR3	6 GB DDR3
Hard Drive	8 GB eMMC	64 GB SSD	64 GB SSD	64 GB SSD	64 GB SSD
Ethernet Ports					
GigEth Copper	4	4	4	8	8
GigEth SFP GBIC	-	-	-	-	-
LAN module slots	-	-	-	-	-
I/O Ports					
USB	2 (rear)	2 (rear)	2 (rear)	2 (rear)	2 (rear)
COM	1 (rear) RJ45	1 (front) RJ45	1 (front) RJ45	1 (front) RJ45	1 (front) RJ45
VGA	-	1 (rear)	1 (rear)	1 (rear)	1 (rear)
PHYSICAL SPECS					
Dimensions w*h*d (mm)	225x44x150	225x44x150	225x44x150	288x44x186.8	288x44x186.8
Weight (kg) unpacked/packed	0.945 / 1.965	1.19 / 2.185	1.19 / 2.185	1.7 / 2.82	1.7 / 2.82
POWER					
Power Supply	External auto-ranging DC:12V 110-240VAC, 50-60 Hz	External auto-ranging DC:12V 110-240VAC, 50-60 Hz	External auto-ranging DC:12V 110-240VAC, 50-60 Hz	External auto-ranging DC:12V 110-240VAC, 50-60 Hz	External auto-ranging DC:12V 110-240VAC, 50-60 Hz
Power Consumption (idle)	3.24W/11.04BTU/h	4.83W, 16.47	4.83W, 16.47BTU/h	12.46W, 49.3BTU/h	12.46W, 49.3BTU/h
Power Consumption (full load)	5.64W/19.232BTU/h	9.84W, 33.55BTU/h	9.84W, 33.55BTU/h	26.16W, 89.2BTU/h	26.16W, 89.2BTU/h
ENVIRONMENT					
Noise level (avg.) (with/without smart fan)	0 dBA (fanless)	0 dBA (fanless)	0 dBA (fanless)	33.9 / 47 dBA	33.9 / 47 dBA
Operating Temperature	0°C - 40°C	0°C - 40°C	0°C - 40°C	0°C - 40°C	0°C - 40°C
Storage Temperature	-20°C - 80°	-20°C - 80°	-20°C - 80°	-20°C - 80°	-20°C - 80°
Humidity	10% - 90% non-condensing	10% - 90% non-condensing	10% - 90% non-condensing	10% - 90% non-condensing	10% - 90% non-condensing
CERTIFICATIONS					
Certifications (Safety, EMC)	CB, CE, FCC Class B, VCCI, RCM, UL, CCC, SRRC, MIC	CB, CE, FCC Class B, VCCI, C- Tick, UL, CCC	CB, CE, FCC Class B, VCCI, C- Tick, UL, CCC	CB, CE, FCC Class B, VCCI, C- Tick, UL, CCC	CB, CE, FCC Class B, VCCI, C- Tick, UL, CCC
MTBF (hours) (MIL-217)	80496 (XG85)	65771 (SG105)	66102 (SG115)	64157 (SG125)	60944 (SG135)
	75220 (XG85w)	62738 (SG105w)	62671 (SG115w)	62944 (SG125w)	59517 (SG135w)

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Technical Specifications

2017 1U MODELS	Available as SG and XG	Available as SG and XG	Available as SG and XG	Available as SG and XG	Available as SG and XG	Available as SG and XG
MODEL	210 Rev.3	230 Rev.2	310 Rev.2	330 Rev.2	430 Rev.2	450 Rev.2
Form factor	1U rackmount	1U rackmount	1U rackmount	1U rackmount	1U rackmount	1U rackmount
TECHNICAL SPECS						
Processor	Intel Celeron Dual Core G3900 @ 2.8GHz	Intel Pentium Dual Core G4400 @ 3.3GHz	Intel Core i3 Dual Core 6100 @ 3.7GHz	Intel Core i5 Quad Core 6500 @ 3.2 GHz	Intel Xeon Quad Core E3-1225v5 @3.3 GHz	Intel Xeon Quad Core E3-1275v5 @3.6 GHz
Memory	8 GB DDR4	8 GB DDR4	12 GB DDR4	12 GB DDR4	16 GB DDR4	16 GB DDR4
Hard Drive¹	120 GB SSD	120 GB SSD	180 GB SSD	180 GB SSD	240 GB SSD	2*240 GB SSD (RAID-1)
Ethernet Ports						
GigEth Copper	6	6	8	8	8	8
GigEth SFP	2	2	2	2	-	-
GigEth SFP+	-	-	2	2	2	2
LAN module slots	1	1	1	1	2	2
IPMI	-	-	-	-	1	1
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)
PHYSICAL SPECS						
Dimensions w*h*d (mm)	438x44x344.4	438x44x344.4	438x44x405.5	438x44x405.5	438x44x507.7	438x44x507.7
Weight (kg) unpacked/packed	SG: 5.2 / 7.2	SG: 5.2 / 7.2	SG: 5.8 / 8.1	SG: 5.8 / 8.1	SG: 7.6 / 12.7	SG: 7.8 / 13.8
	XG: 5.2 / 7.7	XG: 5.2 / 7.7	XG: 5.8 / 8.8	XG: 5.8 / 8.8	XG: 7.6 / 13.7	XG: 7.8 / 14.8
POWER						
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
Power Consumption (idle)	19W, 65 BTU/h	21W, 72 BTU/h	32W, 109BTU/h	36W, 122BTU/h	28W, 96 BTU/h	31W, 107 BTU/h
Power Consumption (full load)	35W, 119 BTU/h	41W, 141 BTU/h	49W, 167 BTU/h	54W, 184 BTU/h	79W, 270 BTU/h	83W, 283 BTU/h
ENVIRONMENT						
Noise level (avg.) (with/without smart fan)	36.9 / 57.6 dBA	36.9 / 57.6 dBA	25.4 / 58 dBA	25.4 / 58 dBA	37.5 / 55 dBA	37.5 / 55 dBA
Operating Temperature	0°C - 40°C	0°C - 40°C	0°C - 40°C	0°C - 40°C	0°C - 40°C	0°C - 40°C
Storage Temperature	-20°C - 80°	-20°C - 80°	-20°C - 80°	-20°C - 80°	-20°C - 80°	-20°C - 80°
Humidity	10% - 90%	10% - 90%	10% - 90%	10% - 90%	10% - 90%	10% - 90%
	non-condensing	non-condensing	non-condensing	non-condensing	non-condensing	non-condensing
CERTIFICATIONS						
Certifications (Safety, EMC)	CB, UL, CE, FCC Class A, ISED, VCCI, RCM, CCC, BIS (planned), MSIP/KCC (planned)	CB, UL, CE, FCC Class A, ISED, VCCI, RCM, CCC, BIS (planned), MSIP/KCC (planned)	CB, UL, CE, FCC Class A, ISED, VCCI, RCM, CCC, BIS (planned), MSIP/KCC (planned)	CB, UL, CE, FCC Class A, ISED, VCCI, RCM, CCC, BIS (planned), MSIP/KCC (planned)	CB, UL, CE, FCC Class A, ISED, VCCI, RCM, CCC, BIS (planned), MSIP/KCC (planned)	CB, UL, CE, FCC Class A, ISED, VCCI, RCM, CCC, BIS (planned), MSIP/KCC (planned)
MTBF (hours) (Bellcore TR-332 Issue 6)	112650 hrs	112650 hrs	109451 hrs	109451 hrs	94332 hrs	88700 hrs

¹ Capacity may vary if in short supply.

Sophos SG/XG Series Appliances

Technical Specifications

2017 2U MODELS

Available as SG and XG

Available as SG and XG

Available as XG only

Model	550 Rev.2	650 Rev.2	750 Rev.2
Form factor	2U rackmount	2U rackmount	2U rackmount
PHYSICAL SPECS			
Processor	2*Intel Xeon Eight Core E5-2630v3 @ 2.4GHz	2*Intel Xeon Ten Core E5-2660v3 @ 2.6GHz	2*Intel Xeon 12 Core E5-2680v3 @ 2.5GHz + Coletto Creek Co-Proc.
Memory	24 GB DDR4 ECC	48 GB DDR4 ECC	64 GB DDR4 ECC
Hard Drive	2* 480 GB SSD [RAID-1] hot-swap	2*480 GB SSD [RAID-1] hot-swap	2* 480 GB SSD [RAID-1] hot-swap
Ethernet Ports			
GigEth Copper	8 (default module)	8 (default module)	8 (default module)
GigEth SFP GBIC	-	-	-
LAN module slots	4	6	8
GigEth MGMT	2	2	2
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]
PHYSICAL SPECS			
Dimensions w*h*d (mm)	438x88x600	438x88x600	438x88x600
Weight (kg) unpacked/packed	17.8 / 27	17.8 / 27	17.8 / 27
POWER			
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
Power Consumption (idle)	270.5W, 922.98BTU/h	320.5W, 1093.59BTU/h	326.5W, 1114.01BTU/h
Power Consumption (full load)	416.1W, 1419.79BTU/h	493.1W, 1682.53BTU/h	512.2W, 1747.62BTU/h
ENVIRONMENT			
Noise level (avg.) [with/without smart fan]	57.1 dBA	57.1 dBA	57.1 dBA
Operating Temperature	0°C - 40°C	0°C - 40°C	0°C - 40°C
Storage Temperature	-40°C - 70°	-40°C - 70°	-40°C - 70°
Humidity	5% - 90% non-condensing	5% - 90% non-condensing	5% - 90% non-condensing
CERTIFICATIONS			
Certifications (Safety, EMC)	CE, UL, FCC, ISED, CCC, VCCI, RCM, BIS [CRS]	CE, UL, FCC, ISED, CCC, VCCI, RCM, BIS [CRS]	CE, UL, FCC, ISED, CCC, VCCI, RCM, BIS [CRS]
MTBF (hours) [Telcordia SR-332 Issue 3]	31,258	31,258	31,258