Sophos Switch Series - Technical Specifications

	100 Series							200 Series		
Model	**CS101-8**	**CS101-8FP**	**CS110-24**	**CS110-24FP**	**CS110-48**	**CS110-48P**	**CS110-48FP**	**CS210-8FP**	**CS210-24FP**	**CS210-48FP**
Hardware										
Form Factor	Desktop	Desktop	1U	1U	1U	1U	1U	1U	1U	1U
Mounting	Wall mount (screws incl.)	Wall mount (screws incl.)	Rackmount (ears and screws incl.)	Rackmount (ears and screws incl.)	Rackmount (ears and screws incl.)	Rackmount (ears and screws incl.)	Rackmount (ears and screws incl.)	Rackmount	Rackmount	Rackmount
Technical Specifications										
Switching Capacity Duplex (Gbps)	20	20	128	128	176	176	176	120	152	224
MAC Address Table	8K	8K	16K	16K	32K	32K	32K	8K	16K	32K
Memory	256 MB	256 MB	512 MB	512 MB	512 MB	512 MB	512 MB	512 MB	512 MB	512 MB
Flash Memory	NOR 32 MB	NOR 32 MB	NOR 2 MB NAND 128 MB	NOR 2 MB NAND 128 MB	NOR 2 MB NAND 128 MB	NOR 2 MB NAND 128 MB	NOR 2 MB NAND 128 MB	NOR 16 MB NAND 128 MB	NOR 16 MB NAND 128 MB	NOR 16 MB NAND 128 MB
Packet Buffer Memory	512 KB	512 KB	1.5 MB	1.5 MB	2 MB	2 MB	2 MB	512 KB	1.5 MB	2 MB
VLANs	Support for up to 256 VLANs simultaneously (out of 4096 VLAN IDs)	Support for up to 256 VLANs simultaneously (out of 4096 VLAN IDs)	Support for up to 256 VLANs simultaneously (out of 4096 VLAN IDs)	Support for up to 256 VLANs simultaneously (out of 4096 VLAN IDs)	Support for up to 256 VLANs simultaneously (out of 4096 VLAN IDs)	Support for up to 256 VLANs simultaneously (out of 4096 VLAN IDs)	Support for up to 256 VLANs simultaneously (out of 4096 VLAN IDs)	Support for up to 256 VLANs simultaneously (out of 4096 VLAN IDs)	Support for up to 256 VLANs simultaneously (out of 4096 VLAN IDs)	Support for up to 256 VLANs simultaneously (out of 4096 VLAN IDs)
Network Interfaces										
10/100/1000Base-T(RJ45)	8	8	24	24	48	48	48	0	16	32
100/1000Base-T/2500Base-T	0	0	0	0	0	0	0	8**	8	16
SFP 1G	2	2	0	0	0	0	0	0	0	0
SFP+ 1G/10G	0	0	4	4	4	4	4	4	4	4
Port Indicators										
100 Series: 10/100/1000Base-T (RJ45) 200 Series: 10/100/1000Base-T/2500TBase (RJ45)	Green Link/Act, Green/Off/Off (1000M/100M/10M) Speed	Green Link/Act, Green/Off/Off (1000M/100M/10M) Speed	Green Link/Act, Green/Off/Off (1000M/100M/10M) Speed	Green Link/Act, Green/Off/Off (1000M/100M/10M) Speed	Green Link/Act, Green/Off/Off (1000M/100M/10M) Speed	Green Link/Act, Green/Off/Off (1000M/100M/10M) Speed	Green Link/Act, Green/Off/Off (1000M/100M/10M) Speed	Green Link/Act, Green/Off/Off (100/1000Base-T/2500Base-T **) Speed	Green Link/Act, Green/Off/Off (100/1000Base-T/2500Base-T) Speed	Green Link/Act, Green/Off/Off (100/1000Base-T/2500Base-T) Speed
SFP 1G	Green Link/Act	Green Link/Act	Speed - Amber Solid Link/Act – Green Flashing	Speed - Amber Solid Link/Act – Green Flashing	Speed - Amber Solid Link/Act – Green Flashing	Speed - Amber Solid Link/Act – Green Flashing	Speed - Amber Solid Link/Act – Green Flashing	Speed - Amber Solid Link/Act – Green Flashing	Speed - Amber Solid Link/Act – Green Flashing	Speed - Amber Solid Link/Act – Green Flashing
SFP+ 10G	n/a	n/a	Speed- Green Solid Link/Act – Green Flashing	Speed- Green Solid Link/Act – Green Flashing	Speed- Green Solid Link/Act – Green Flashing	Speed- Green Solid Link/Act – Green Flashing	Speed- Green Solid Link/Act – Green Flashing	Speed- Green Solid Link/Act – Green Flashing	Speed- Green Solid Link/Act – Green Flashing	Speed- Green Solid Link/Act – Green Flashing
Supported Media Types										
10/100/1000Base-T (RJ45)	Cat5 or better	Cat5 or better	Cat5 or better	Cat5 or better	Cat5 or better	Cat5 or better	Cat5 or better	Cat5 or better	Cat5 or better	Cat5 or better
SFP 1G	1000Base-SX/LX, Copper RJ45 (1000Base-X), DAC (5M Max)	1000Base-SX/LX, Copper RJ45 (1000Base-X), DAC (5M Max)	1000Base-SX/LX, Copper RJ45 (1000Base-X), DAC (5M Max)	1000Base-SX/LX, Copper RJ45 (1000Base-X), DAC (5M Max)	1000Base-SX/LX, Copper RJ45 (1000Base-X), DAC (5M Max)	1000Base-SX/LX, Copper RJ45 (1000Base-X), DAC (5M Max)	1000Base-SX/LX, Copper RJ45 (1000Base-X), DAC (5M Max)	1000Base-SX/LX, Copper RJ45 (1000Base-X), DAC (5M Max)	1000Base-SX/LX, Copper RJ45 (1000Base-X), DAC (5M Max)	1000Base-SX/LX, Copper RJ45 (1000Base-X), DAC (5M Max)
SFP+ 10G	n/a	n/a	10GBase-SR/LR Transceiver, DAC (5M Max)	10GBase-SR/LR Transceiver, DAC (5M Max)	10GBase-SR/LR Transceiver, DAC (5M Max)	10GBase-SR/LR Transceiver, DAC (5M Max)	10GBase-SR/LR Transceiver, DAC (5M Max)	10GBase-SR/LR Transceiver, DAC (5M Max)	10GBase-SR/LR Transceiver, DAC (5M Max)	10GBase-SR/LR Transceiver, DAC (5M Max)
Other Interfaces	DC-In On/Off Switch	DC-In On/Off Switch	Console Port AC Power Socket	Console Port AC Power Socket	Console Port AC Power Socket	Console Port AC Power Socket	Console Port AC Power Socket	Console Port AC Power Socket	Console Port AC Power Socket	Console Port AC Power Socket
Status LEDs	Power LED Fault LED LAN Mode	Power LED Fault LED POE Max LAN Mode PoE Mode	Power LED Fault LED LAN Mode	Power LED Fault LED POE Max LAN Mode PoE Mode	Power LED Fault LED LAN Mode	Power LED Fault LED POE Max LAN Mode PoE Mode	Power LED Fault LED POE Max LAN Mode PoE Mode	Power LED Fault LED POE Max LAN Mode PoE Mode	Power LED Fault LED POE Max LAN Mode PoE Mode	Power LED Fault LED POE Max LAN Mode PoE Mode
Power over Ethernet										
Power Budget	n/a	110W	n/a	410W	n/a	410W	740W	240W	410W	740W
PoE capable Ports	n/a	1 to 8	n/a	1 to 24	n/a	1 to 48	1 to 48	1 to 8	1 to 24	1 to 48
PoE Standard	n/a	802.3af/802.3at	n/a	802.3af/802.3at	n/a	802.3af/802.3at	802.3af/802.3at	802.3af/802.3at/802.3bt	802.3af/802.3at	802.3af/802.3at
Max. PoE Devices	n/a	7 (15.4W)/3 (30W)	n/a	24 (15.4W)/13 (30W)	n/a	26 (15.4W)/13 (30W)	48 (15.4W)/24 (30W)	8 (15.4W)/8 (30W)/4 (60W)	24 (15.4W)/13 (30W)	48 (15.4W)/24 (30W)
Power Supply										
Supply Rating	12W	150W	25W	480W	60W	480W	900W	300W	480W	900W
Type	External DC Adapter	External AC/DC Adapter	Internal PSU	Internal PSU	Internal PSU	Internal PSU	Internal PSU	Internal PSU	Internal PSU	Internal PSU
AC Input	100-240VAC 50-60Hz 0.3A max	100-240 VAC, 50/60Hz, 2.0A	100-240VAC, 50/60Hz, 0.7A	100-240VAC, 50/60Hz, 7A	100-240VAC, 50/60Hz, 1.5A	100-240VAC, 50/60Hz, 7A	100-240VAC, 50/60Hz, 12A	100-240VAC, 50/60Hz, 4A	100-240VAC, 50/60Hz, 7A	100-240VAC, 50/60Hz, 12A
Output	+12V 1.0A 12W	150W 54V/2.78A	25W 12V/2.09A	480W 12V/5A, 54V/7.8A	60W 12V/5A	12V/5A,-54V/7.8A	12V/8.3A,-54V/14.8A	12V/5.83A,-54V/4.63A	12V/5A,-54V/7.8A	12V/8.3A,-54V/14.8A
Power Adapter Efficiency	100VAC / 0.13A (80.45%) 240VAC / 0.08A (81.66%)	100VAC / 1.48A (94.5%) 240VAC / 0.64A (95.9%)	100VAC / 0.5405A (88.26%) 240VAC / 0.2875A (88.55%)	100VAC / 9.03A (86.81%) 240VAC / 3.78A (91.55%)	100VAC / 0.8535A (91.00%) 240VAC / 0.4756A (91.96%)	100VAC / 4.823A (86.67%) 240VAC / 1.956A (91.15%)	100VAC / 9.03A (93.01%) 240VAC / 3.78A (96.61%)	100VAC / 2.99A (84.84%) 240VAC / 1.20A (88.08%)	100VAC / 5.075A (88.75%) 240VAC / 2.053A (93.18%)	100VAC / 9.14A (86.8%) 240VAC / 3.68A (89.85%)
Power Consumption										
Idle Power (Typical)	3.76W / 12.82 BTU/hr	4.86W / 16.57 BTU/hr	10.67W / 36.3847 BTU/hr	20.41W / 69.5981BTU/hr	17.28W / 58.9248BTU/hr	29.8W / 101.618BTU/hr	32.00 / 109BTU/hr	31.2W / 106.392BTU/hr	21.782 / 74.277BTU/hr	33.9W / 115.599BTU/hr
Max. Power (Typical)	6.96W / 23.733 BTU/hr	147.1W / 501.6 BTU/hr	24.41W / 83.2381 BTU/hr	500.46W / 1706.5886BTU/hr	43.92W / 149.7672BTU/hr	476.3W / 1624.183BTU/hr	885.00W / 3018BTU/hr	299W / 1019.59BTU/hr	499.85W / 1704.489BTU/hr	913W / 3113.33BTU/hr
Physical Specifications										
Dimentions (LxWxH)	105 mm x 240 mm x 27 mm	105 mm x 240 mm x 27 mm	193.3 mm x 440 mm x 44 mm	257.3 mm x 440 mm x 44 mm	257.3 mm x 440 mm x 44 mm	310 mm x 440 mm x 44 mm	310 mm x 440 mm x 44 mm	230 mm x 330 mm x 44 mm	310 mm x 440 mm x 44 mm	310 mm x 440 mm x 44 mm
Weight (unpacked)	0.636 kg	0.636 kg	2.3 kg	3.99 kg	3.6 kg	4.85 kg	4.85 kg	2.34 kg	3.99 kg	4.85 kg
Weight (packed)	0.99 kg	1.45 kg	3.06 kg	4.7 kg	4.33 kg	5.94 kg	5.94 kg	3.11 kg	4.7 kg	5.94 kg
Environmental										
Fan	Fanless	Fanless	Fanless	2	1	3	3	2 x Smart fan	2	3
Temperature (Operating)	0°C – 40°C	0°C – 40°C	0°C – 40°C	0°C – 40°C	0°C – 40°C	0°C – 40°C	0°C – 40°C	0°C – 40°C	0°C – 40°C	0°C – 40°C
Temperature (Storage)	-20°C – 70°C	-20°C – 70°C	-20°C – 70°C	-20°C – 70°C	-20°C – 70°C	-20°C – 70°C	-20°C – 70°C	-20°C – 70°C	-20°C – 70°C	-20°C – 70°C
Humidity (Operating)	10% to 90% RH (Non-Condensing)	10% to 90% RH (Non-Condensing)	10% to 90% RH (Non-Condensing)	10% to 90% RH (Non-Condensing)	10% to 90% RH (Non-Condensing)	10% to 90% RH (Non-Condensing)	10% to 90% RH (Non-Condensing)	10% to 90% RH (Non-Condensing)	10% to 90% RH (Non-Condensing)	10% to 90% RH (Non-Condensing)
Humidity (Storage)	5% to 90% RH (Non-Condensing)	5% to 90% RH (Non-Condensing)	5% to 90% RH (Non-Condensing)	5% to 90% RH (Non-Condensing)	5% to 90% RH (Non-Condensing)	5% to 90% RH (Non-Condensing)	5% to 90% RH (Non-Condensing)	5% to 90% RH (Non-Condensing)	5% to 90% RH (Non-Condensing)	5% to 90% RH (Non-Condensing)
Certifications										
Regional certifications, Safety, EMC	CB, UL, CE, FCC, ISED, RCM, VCCI, BSMI, NOM, Anatel, KC Post GA: TEC	CB, UL, CE, FCC, ISED, RCM, VCCI, BSMI, NOM, Anatel, KC Post GA: TEC	CB, UL, CE, FCC, ISED, RCM, VCCI, BSMI, NOM, Anatel, KC Post GA: TEC	CB, UL, CE, FCC, ISED, RCM, VCCI, BSMI, NOM, Anatel, KC Post GA: TEC	CB, UL, CE, FCC, ISED, RCM, VCCI, BSMI, NOM, Anatel, KC Post GA: TEC	CB, UL, CE, FCC, ISED, RCM, VCCI, BSMI, NOM, Anatel, KC Post GA: TEC	CB, UL, CE, FCC, ISED, RCM, VCCI, BSMI, NOM, Anatel, KC Post GA: TEC	CB, CSA, CE, FCC, ISED, RCM, VCCI, BSMI, NOM, Anatel, KC Post GA: TEC	CB, CSA, CE, FCC, ISED, RCM, VCCI, BSMI, NOM, Anatel, KC Post GA: TEC	CB, CSA, CE, FCC, ISED, RCM, VCCI, BSMI, NOM, Anatel, KC Post GA: TEC

Footnotes:

**10M Full and Half Duplex and 100M Half Duplex speeds are not supported on this model

Last updated: May 23, 2022

© Sophos 2022. Data may be subject to change without prior notice.