

## Sophos Switch Series - Technical Specifications

Model	100 Series							200 Series			
	CS101-8	CS101-8FP	CS110-24	CS110-24FP	CS110-48	CS110-48P	CS110-48FP	CS210-8FP	CS210-24FP	CS210-48FP	
<b>Hardware</b>											
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	
<b>Technical Specifications</b>											
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)	
<b>Network Interfaces</b>											
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**	0	16	
SFP 1G	2	2	0	0	0	0	0	0	0	0	
SFP+ 16/10G	0	0	4	4	4	4	4	4	4	4	
<b>Port Indicators</b>											
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	
<b>Supported Media Types</b>											
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)	
<b>Other Interfaces</b>											
DC-In On/Off Switch	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	
<b>Status LEDs</b>											
Power LED	Power LED	Power LED	Power LED	Power LED	Power LED	Power LED	Power LED	Power LED	Power LED	Power LED	
Fault LED	Fault LED	Fault LED	Fault LED	Fault LED	Fault LED	Fault LED	Fault LED	Fault LED	Fault LED	Fault LED	
POE Max	POE Max	POE Max	POE Max	POE Max	POE Max	POE Max	POE Max	POE Max	POE Max	POE Max	
LAN Mode	LAN Mode	LAN Mode	LAN Mode	LAN Mode	LAN Mode	LAN Mode	LAN Mode	LAN Mode	LAN Mode	LAN Mode	
<b>Power over Ethernet</b>											
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	802.3af/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)	
<b>Power Supply</b>											
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/2.08A	480W 12V/5A, 54V/7.8A	60W 12V/5A	480W 12V/5A, 54V/7.8A	900W 12V/8.3A, 54V/14.8A	12V/5A, 54V/14.8A	12V/5A, 54V/14.8A	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 / 0.84A (95.9%)	100VAC / 0.5405A (89.26%) 240VAC / 0.2875A (88.55%)	100VAC / 9.03A (86.81%) 240VAC / 3.78A (81.55%)	100VAC / 0.8535A (91.00%) 240VAC / 0.4756A (91.96%)	100VAC / 4.823A (86.67%) 240VAC / 1.956A (81.15%)	100VAC / 9.03A (81.01%) 240VAC / 3.78A (86.61%)	100VAC / 2.99A (84.94%) 240VAC / 1.22A (88.08%)	100VAC / 0.575A (88.75%) 240VAC / 2.053A (93.16%)	100VAC / 9.14A (86.8%) 240VAC / 3.88A (89.85%)	
<b>Power Consumption</b>											
Idle Power [Typical]	3.76W / 12.82 BTU/hr	4.88W / 16.57 BTU/hr	10.67W / 36.38 BTU/hr	20.41W / 69.59 BTU/hr	17.28W / 58.24 BTU/hr	29.8W / 101.61 BTU/hr	32.00 / 109 BTU/hr	31.2W / 106.39 BTU/hr	21.78W / 74.27 BTU/hr	33.9W / 115.59 BTU/hr	
Max. Power [Typical]	6.96W / 23.73 BTU/hr	147.1W / 501.8 BTU/hr	24.41W / 83.23 BTU/hr	500.46W / 1708.56 BTU/hr	43.92W / 149.76 BTU/hr	476.3W / 1621.83 BTU/hr	885.00W / 3018 BTU/hr	299W / 1019.59 BTU/hr	499.85W / 1704.48 BTU/hr	913W / 3113.38 BTU/hr	
<b>Physical Specifications</b>											
Dimensions (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	3.95 kg	3.6 kg	4.85 kg	4.85 kg	2.34 kg	3.95 kg	4.85 kg	
Weight (packed)	0.99 kg	1.45 kg	3.06 kg	4.7 kg	4.7 kg	5.94 kg	5.94 kg	3.11 kg	4.7 kg	5.94 kg	
<b>Environmental</b>											
Fan	Fanless	Fanless	Fanless	2	1	3	3	2x 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)	
<b>Certifications</b>											
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, 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