

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
Hardware								
Form Factor	Desktop	Desktop	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
Technical Specifications								
Switching Capacity Duplex (Gbps)	20	20	128	128	176	176	176	120
MAC Address Table	8K	8K	16K	16K	32K	32K	32K	8K
Memory	256 MB	256 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
Packet Buffer Memory	512 KB	512 KB	1.5 MB	1.5 MB	2 MB	2 MB	2 MB	512 KB
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)
Network Interfaces								
10/100/1000Base-T (RJ45)	8	8	24	24	48	48	48	0
100/1000Base-T/2500Base-T	0	0	0	0	0	0	0	8**
SFP 1G	2	2	0	0	0	0	0	0
SFP+ 1G/10G	0	0	4	4	4	4	4	4
Port Indicators								
100 Series: 10/100/1000Base-T (RJ45) 200 Series: 10/100/1000Base-T/2500Base (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
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
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
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
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)
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)
Other Interfaces								
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
Status LEDs								
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
LAN Mode	LAN Mode	LAN Mode	LAN Mode	LAN Mode	LAN Mode	LAN Mode	LAN Mode	LAN Mode
PoE Max	PoE Max	PoE Max	PoE Max	PoE Max	PoE Max	PoE Max	PoE Max	PoE Max
PoE Mode	PoE Mode	PoE Mode	PoE Mode	PoE Mode	PoE Mode	PoE Mode	PoE Mode	PoE Mode
Power over Ethernet								
Power Budget	n/a	110W	n/a	410W	n/a	410W	740W	240W
PoE capable Ports	n/a	1 to 8	n/a	1 to 24	n/a	1 to 48	1 to 48	1 to 8
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
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)
Power Supply								
Supply Rating	12W	150W	25W	480W	60W	480W	900W	300W
Type	External DC Adapter	External AC/DC Adapter	Internal PSU	Internal PSU	Internal PSU	Internal PSU	Internal PSU	Internal PSU
AC Input	100-240VAC 50-60Hz 0.3A max	100-240VAC 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
Output	+12V 1.0A 12W	150W 54V/2.78A	25W 12V/2.09A	480W 12V/5A 54V/7.8A	60W 12V/5A	12V/8.3A-54V/14.8A	12V/8.3A-54V/14.8A	12V/5.83A-54V/14.63A
Power Adapter Efficiency	100VAC / 0.13A (80.45%) 240VAC / 0.08A (81.66%)	100VAC / 1.48A (84.5%) 240VAC / 0.64A (85.9%)	100VAC / 0.5405A (88.26%) 240VAC / 0.2875A (88.55%)	100VAC / 9.03A (86.81%) 240VAC / 0.2875A (88.55%)	100VAC / 0.8355A (91.00%) 240VAC / 0.4756A (91.55%)	100VAC / 4.823A (86.67%) 240VAC / 1.956A (91.15%)	100VAC / 9.03A (93.01%) 240VAC / 1.20A (88.08%)	100VAC / 2.99A (84.84%) 240VAC / 1.20A (88.08%)
Power Consumption								
Idle Power (Typical)	3.76W / 12.82 BTU/hr	4.86W / 16.57 BTU/hr	10.67W / 36.38 BTU/hr	20.41W / 69.59 BTU/hr	17.28W / 58.92 BTU/hr	29.8W / 101.61 BTU/hr	32.00 / 109 BTU/hr	31.2W / 106.39 BTU/hr
Max. Power (Typical)	6.96W / 23.73 BTU/hr	1471.7W / 501.6 BTU/hr	24.41W / 83.23 BTU/hr	500.46W / 1706.56 BTU/hr	43.92W / 149.76 BTU/hr	476.3W / 1624.18 BTU/hr	885.00W / 3018 BTU/hr	299W / 1019.59 BTU/hr
Physical Specifications								
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
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
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
Environmental								
Fan	Fanless	Fanless	Fanless	2	1	3	3	2 x Smart fan
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
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
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)
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)
Certifications								
Regional certifications, Safety, EMC	CB, UL, CE, FCC, ISED, RCM, VCCI, BSMI, NOM Post GA: Anatel, KC	CB, UL, CE, FCC, ISED, RCM, VCCI, BSMI, NOM Post GA: Anatel, KC	CB, UL, CE, FCC, ISED, RCM, VCCI, BSMI, NOM Post GA: Anatel, KC	CB, UL, CE, FCC, ISED, RCM, VCCI, BSMI, NOM Post GA: Anatel, KC	CB, UL, CE, FCC, ISED, RCM, VCCI, BSMI, NOM Post GA: Anatel, KC	CB, UL, CE, FCC, ISED, RCM, VCCI, BSMI, NOM Post GA: Anatel, KC	CB, UL, CE, FCC, ISED, RCM, VCCI, BSMI, NOM Post GA: Anatel, KC	CB, UL, CE, FCC, ISED, RCM, VCCI, BSMI, NOM Post GA: Anatel, KC

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