



*Sophos AP100X front view*



*Sophos AP100X side view*

<b>Mounting</b>	Wall/Pole		
<b>Enclosure</b>	Metal housing, white		
<b>IP Code</b>	67		
<b>CPU</b>	QCA9558 (2.4GHz), QCA9880 (5GHz)		
<b>Memory</b>	128 MB DDR2		
<b>Flash</b>	16 MB		
<b>Maximum Throughput</b>	1.3 Gbps (5GHz / 802.11ac) + 450 Mbps (2.4GHz / 802.11n)		
<b>Multiple SSIDs</b>	8 per radio, 16 in total		
<b>Number of radios</b>	2		
<b>MIMO capabilities</b>	3x3:3		
<b>MTBF</b>	n/a		
<b>LAN Interfaces</b>	1 x 10/100/1000 Base-TX		
<b>Antennas</b>	6 x external dipole antenna		
<b>Antenna connector</b>	N-Type		
<b>Antenna gain</b>	4 dBi @ 2.4GHz, 6 dBi @5GHz		
<b>Supported WLAN standard</b>	802.11a/b/g/n/ac		
<b>Transmit power and receive sensitivity</b>	<b>802.11a</b>		
	<b>Data rate</b>	<b>TX power</b>	<b>RX sensitivity</b>
	6 Mbps	22 dBm	-90 dBm
	9 Mbps	22 dBm	-86 dBm
	12 Mbps	22 dBm	-85 dBm
	18 Mbps	22 dBm	-83 dBm
	24 Mbps	22 dBm	-81 dBm
	36 Mbps	21 dBm	-78 dBm
	48 Mbps	19 dBm	-75 dBm
	54 Mbps	18 dBm	-74 dBm
	<b>802.11b</b>		
	<b>Data rate</b>	<b>TX power</b>	<b>RX sensitivity</b>
	1 Mbps	23 dBm	-93 dBm
	2 Mbps	23 dBm	-89 dBm
	5.5 Mbps	23 dBm	-89 dBm

	11 Mbps	23 dBm	-85 dBm
	<b>802.11g</b>		
	<b>Data Rate</b>	<b>TX Power</b>	<b>RX Sensitivity</b>
	6 Mbps	23 dBm	-86 dBm
	9 Mbps	23 dBm	-84 dBm
	12 Mbps	23 dBm	-84 dBm
	18 Mbps	23 dBm	-84 dBm
	24 Mbps	23 dBm	-81 dBm
	36 Mbps	22 dBm	-78 dBm
	48 Mbps	20 dBm	-74 dBm
	54 Mbps	19 dBm	-72 dBm
	<b>802.11gn(2.4G)</b>		
	<b>Data Rate</b>	<b>TX Power</b>	<b>RX Sensitivity(HT40)</b>
	MCS0	23 dBm	-83 dBm
	MCS1	22 dBm	-81 dBm
	MCS2	22 dBm	-81 dBm
	MCS3	22 dBm	-78 dBm
	MCS4	21 dBm	-75 dBm
	MCS5	20 dBm	-70 dBm
	MCS6	19 dBm	-69 dBm
	MCS7	18 dBm	-66 dBm
	MCS8	26 dBm	-83 dBm
	MCS9	25 dBm	-81 dBm
	MCS10	25 dBm	-81 dBm
	MCS11	25 dBm	-78 dBm
	MCS12	24 dBm	-75 dBm
	MCS13	23 dBm	-70 dBm
	MCS14	22 dBm	-69 dBm
	MCS15	21 dBm	-66 dBm
	MCS16	27.5 dBm	-83 dBm
	MCS17	26.5 dBm	-81 dBm
	MCS18	26.5 dBm	-81 dBm
	MCS19	26.5 dBm	-78 dBm

	MCS20	25.5 dBm	-75 dBm
	MCS21	24.5 dBm	-70 dBm
	MCS22	23.5 dBm	-69 dBm
	MCS23	22.5 dBm	-66 dBm
	<b>802.11an(5G)</b>		
	<b>Data Rate</b>	<b>TX Power</b>	<b>RX Sensitivity(HT40)</b>
	MCS0	23 dBm	-87 dBm
	MCS1	22 dBm	-84 dBm
	MCS2	22 dBm	-81 dBm
	MCS3	21 dBm	-77 dBm
	MCS4	21 dBm	-72 dBm
	MCS5	20 dBm	-70 dBm
	MCS6	19 dBm	-69 dBm
	MCS7	18 dBm	-68 dBm
	MCS8	26 dBm	-87 dBm
	MCS9	25 dBm	-84 dBm
	MCS10	25 dBm	-81 dBm
	MCS11	24 dBm	-77 dBm
	MCS12	24 dBm	-72 dBm
	MCS13	23 dBm	-70 dBm
	MCS14	22 dBm	-69 dBm
	MCS15	21 dBm	-68 dBm
	MCS16	27.5 dBm	-87 dBm
	MCS17	26.5 dBm	-84 dBm
	MCS18	26.5 dBm	-81 dBm
	MCS19	25.5 dBm	-77 dBm
	MCS20	25.5 dBm	-72 dBm
	MCS21	24.5 dBm	-70 dBm
	MCS22	23.5 dBm	-69 dBm
	MCS23	22.5 dBm	-68 dBm
	<b>802.11ac</b>		
	<b>Data Rate</b>	<b>TX Power</b>	<b>RX Sensitivity(VHT80)</b>
	MCS0	23 dBm	-84 dBm

	MCS1	22 dBm	-80 dBm		
	MCS2	22 dBm	-78 dBm		
	MCS3	21 dBm	-72 dBm		
	MCS4	21 dBm	-69 dBm		
	MCS5	20 dBm	-66 dBm		
	MCS6	19 dBm	-65 dBm		
	MCS7	18 dBm	-65 dBm		
	MCS8	16 dBm	-59 dBm		
	MCS9	15 dBm	-58 dBm		
	MCS10	26 dBm	-84 dBm		
	MCS11	25 dBm	-80 dBm		
	MCS12	25 dBm	-78 dBm		
	MCS13	24 dBm	-72 dBm		
	MCS14	24 dBm	-69 dBm		
	MCS15	23 dBm	-66 dBm		
	MCS16	22 dBm	-65 dBm		
	MCS17	21 dBm	-65 dBm		
	MCS18	19 dBm	-59 dBm		
	MCS19	18 dBm	-58 dBm		
	MCS20	27.5 dBm	-84 dBm		
	MCS21	26.5 dBm	-80 dBm		
	MCS22	26.5 dBm	-78 dBm		
	MCS23	25.5 dBm	-72 dBm		
	MCS24	25.5 dBm	-69 dBm		
	MCS25	24.5 dBm	-66 dBm		
	MCS26	23.5 dBm	-65 dBm		
	MCS27	22.5 dBm	-65 dBm		
	MCS28	20.5 dBm	-59 dBm		
	MCS29	19.5 dBm	-58 dBm		
<b>Modulation</b>	<b>802.11a</b>	<b>802.11b</b>	<b>802.11g</b>	<b>802.11n</b>	<b>802.11ac</b>
	OFDM with BPSK, QPSK, 16QAM, 64QAM	BPSK, QPSK, CCK	OFDM with BPSK, QPSK, 16QAM, 64QAM	OFDM with BPSK, QPSK, 16QAM, 64QAM	OFDM with BPSK, QPSK, 16QAM, 128

					QAM, 256QAM
<b>Center frequencies / channels</b>	<b>ETSI</b>				
	2.412-2.472GHz (channels 1-13)	RLAN sub-band 2:	5.500-5.580GHz (channels 100-116)	5.660-5.700GHz (channels 132-140)	
	<b>FCC</b>				
	2.412-2.462GHz (channels 1-11)	U-NII-1:	5.180-5.240GHz (channels 36-48)		
	U-NII-2:	5.260-5.320GHz (channels 52-64)			
	U-NII-2e:	5.500-5.580GHz (channels 100-116)			
		5.660-5.700GHz (channels 132-140)			
	U-NII-3:	5.745-5.825GHz (channels 149-165)			
<b>Dimensions w*h*d</b>	255x225x90 mm (WxDxH)				
<b>Weight</b>	2.5 kg				
<b>Power Supply</b>	PoE only				
<b>Power Consumption</b>	15 W (max.)				
<b>Power over Ethernet</b>	802.3at				
<b>Temperature / relative humidity</b>	Operation: -20°C to 60°C / 0% to 90%, non-condensing Storage: -30°C to 60°C / 0% to 95%, non-condensing				