



Sophos AP55C front



Sophos AP55C back

Mounting	Ceiling		
Physical security	Kensington lock		
Enclosure	Bottom: metal; top cover: plastic; white; plenum-rated according to UL2043		
CPU	QCA9558 (2.4GHz), QCA9880 (5GHz)		
Memory	128 MB DDR2		
Flash	16 MB		
Maximum Throughput	867 Mbps (5GHz / 802.11ac) + 300 Mbps (2.4GHz / 802.11n)		
Multiple SSIDs	8 per radio, 16 in total		
Number of radios	2		
MIMO capabilities	2x2:2		
MTBF	26280 hours		
LAN Interfaces	1 x 10/100/1000 Base-TX		
Antennas	4 x internal antenna		
Antenna gain	2.4G: 4.36 / 5.77 dBi		
	5G: 6.13 / 6.27 dBi		
Supported WLAN standard	802.11a/b/g/n/ac		
Transmit power and receive sensitivity	802.11a		
	Data rate	TX power	RX sensitivity
	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
	802.11b		
	Data rate	TX power	RX sensitivity
	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
	802.11g		
	Data Rate	TX Power	RX Sensitivity
	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
	802.11n(2.4G)		
	Data Rate	TX Power	RX Sensitivity
	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
	802.11n(5G)		
	Data Rate	TX Power	RX Sensitivity
	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
	802.11ac		
	Data Rate	TX Power	RX Sensitivity

	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		
Modulation	802.11a	802.11b	802.11g	802.11n	802.11ac
	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, 64QAM, 128 QAM, 256QAM
Center frequencies / channels	ETSI				
	2.412-2.472GHz (channels 1-13)	RLAN sub-band 1: 5.180-5.320GHz (channels 36-64) RLAN sub-band 2: 5.500-5.580GHz (channels 100-116) 5.660-5.700GHz (channels 132-140)			
	FCC				
	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)			
Dimensions Ø*h	Ø 200mm, height: 37mm				
Weight	0,630 kg				
Power Supply	12 Vdc / 1.5A				
Power Consumption	13 W (max.)				
Power over Ethernet	802.3at				
Temperature / relative humidity	Operation: 0°C to 50°C / 0% to 90%, non-condensing Storage: -20°C to 80°C / 0% to 95%, non-condensing				