

ZCN-M5-20AC

11AC 5 GHz high-capacity wireless device

Ultra high performance point-to-multipoint system delivering up to 500 Mbps capacity is an ideal upgrade for service providers seeking to deliver more reliable connectivity and higher subscriber capacity. Backwards compatibility with ZCN-M5-20 products simplifies the migration. Powerful and highly functional operating system with a user-friendly interface makes it easy to deploy and manage the network even for the new customers.

Specifications

Distance recommendation	PTMP mode (max)	PTP mode (max)
ZCN-M5-20ac	10 km/ 6.21mi	15 km/ 9.32mi

Wireless

WLAN standard	IEEE 802.11 a/n/ac, TDD
Radio mode	MIMO 2x2
Radio frequency band	5 GHz models: 5.150 - 5.850 GHz (FCC 5.150 - 5.250 and 5.725 - 5.850 GHz)
Transmit power	Up to 30 dBm (country dependent)
Channel size	5, 10, 20, 40, 80 MHz
Modulation schemes	802.11 a/n: OFDM (64-QAM, 16-QAM, QPSK, BPSK) 802.11 ac: OFDM (256-QAM, 64-QAM, 16-QAM, QPSK, BPSK)
Data rates	802.11 ac @40 MHz: 400, 360, 300, 270, 240, 180, 120, 90, 60, 30 Mbps 802.11 ac @80 MHz: 866, 780, 650, 585, 520, 390, 260, 195, 130, 65 Mbps
Error correction	FEC, LDPC
Duplexing scheme	Time division duplex

	Modulation, Mbps	400	360	300	270	240	180	120	90	60	30
40 MHz	TX Power, dBm	26	27	28	29	30	30	30	30	30	30
	Receive sensitivity, dBm	-70	-72	-76	-78	-80	-84	-87	-92	-94	-95
80 MHz	Modulation, Mbps	866	780	650	585	520	390	260	195	130	65
	TX Power, dBm	24	25	25	26	27	28	28	29	29	29
	Receive sensitivity, dBm	-64	-66	-70	-72	-74	-78	-81	-85	-88	-90

Antenna

Type	Integrated dual-polarized directional panel antenna
Gain	20dBi

Wired

Interface	10/100/1000 Base-T, RJ45
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Physical

Dimensions	216 mm (8.5"), 184 mm (7.2"), 80 mm (3.1")
Weight	413 g (0.91lb)
Mounting	Pole mounting bracket included

Power

Power supply	24 VDC passive PoE (AC to 24 VDC adapter is included in the package)
Power source	100 – 240 VAC
Power consumption (max)	10W

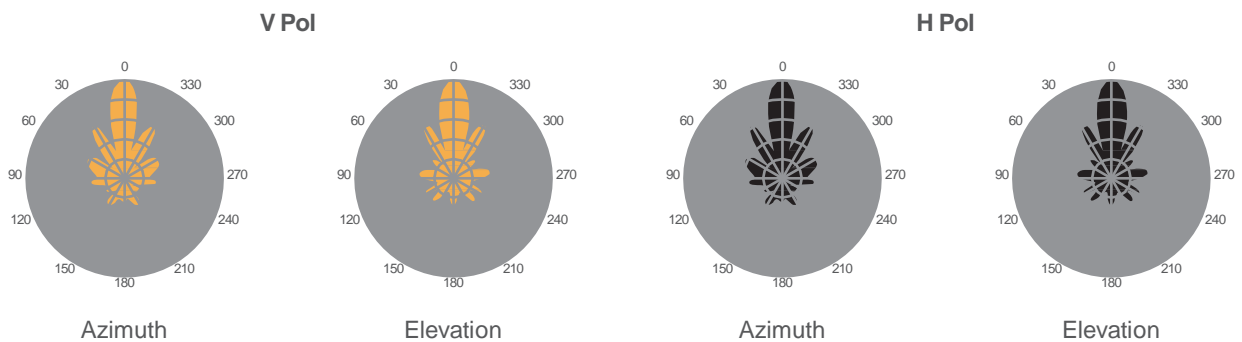
Environmental

Operating temperature	-40°C (-40 F) ~ +65°C (+149 F)
Humidity	0 ~ 90 % (non-condensing)

Management

System monitoring	SNMP, Syslog, Web UI,
Configuration	WebUI

Antenna specifications



Frequency range	5.1 - 5.9 GHz
Gain	20 dBi
Polarization	Dual linear
Cross-pol Isolation	27 dBi
VSWR	<1.8
Azimuth beamwidth (H pol)	16 deg
Azimuth beamwidth (V pol)	16 deg
Elevation beamwidth	16 deg