

WIRELESS CPE

20km 5.8GHz Long Range Wireless CPE

Model CPE2920



CPE2920 5.8GHz outdoor wireless bridge with a 29dBi dish antenna, IP67 protection and 24V PoE input for line-of-sight links up to 20km.

Features

- 5.8G 900M 20KM Wireless CPE
- 10/100/1000 Base-T, RJ45
- 29dBi high-gain dish antenna
- 5.8GHz 11AC 867Mbps
- 24V DC PoE 100m network cable power supply
- Support AP, client side, wireless WAN working mode
- IP67 level waterproof and dustproof
- Auto-connect for PTP / PTMP application

Model	CPE2920
WLAN standard	IEEE 802.11 a/n/ac, iPoII 3
Radio mode	MIMO 2×2
Radio frequency band	5 GHz: 4.9 – 6.1 GHz (FCC 5.150 – 5.250 and 5.725 – 5.850 GHz)
Tx power	Up to 29dBm (country dependent)
RX sensitivity	-95 ~ -75dBm (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
40MHz Modulation, Mbps	400, 360, 300, 270, 240, 180, 120, 90, 60, 30
40MHz Tx power, dBm	26, 26, 27, 28, 29, 29, 29, 29, 29
40MHz RX Sensitivity, dBm	-70, -72, -76, -78, -80, -84, -87, -92, -94, -95
80MHz Modulation, Mbps	866, 780, 650, 585, 520, 390, 260, 195, 130, 65
80MHz Tx power, dBm	25, 25, 26, 26, 27, 27, 28, 29, 29, 29
80MHz RX Sensitivity, dBm	-64, -66, -70, -72, -74, -78, -81, -85, -88, -90
Type	Integrated dual-polarized parabolic antenna
Gain	29dBi
Interface	10/100/1000 Base-T, RJ45
Dimensions	348mm × 266mm × 254mm
Weight	760g
Mounting	Pole mounting bracket included
Power supply	24 VDC passive PoE (AC to 24 VDC adapter included)
Power source	100 – 240V AC
Humidity	5 ~ 90% (non-condensing)
Full load power consumption	7W
Operating temperature	-40°C ~ +65°C
System monitoring	SNMP, Syslog, Web UI, WNMS
Configuration	WebUI, WNMS
Frequency range	4.9-6.1GHz
Polarization	Dual linear
VSWR	<1.5
Azimuth beamwidth (H pol)	7°
Azimuth beamwidth (V pol)	7°
Elevation beamwidth	7°



Contact us

Maxsol South Africa

Website

<https://maxsol-tech.co.za>

Phone

+86 19849790018

Email

sales@maxsol-tech.com

Service area

South Africa

Address

5/F, Bangshen Lixinhu Technology Industrial Park, No. 132 Dayang Road, Fuhai Subdistrict, Bao'an District, Shenzhen, China

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