

WIRELESS CPE

Long Range 10km 5.8GHz Wireless CPE Bridge

Model CPE2910

CPE2910 5.8GHz wireless bridge with a 23dBi MIMO antenna, Gigabit Ethernet and 24V PoE input for line-of-sight links up to 10km.

Features

- 5.8G 900M 10KM Wireless CPE
- 10/100/1000 Base-T, RJ45
- Transmitting power: $\leq 29\text{dBm}$
- Auto-connect for PTP / PTMP application
- Built-in 2x2 dual-polarized directional MIMO 23dBi antenna
- 5.150GHz–5.850GHz Extension Channel
- PoE 24V input

Model	CPE2910
WLAN standard	IEEE 802.11 a/n/ac or ipoll3
Radio mode	MIMO 2x2
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 Tx power, dBm: 26, 26, 27, 28, 29, 29, 29, 29, 29, 29 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 Tx power, dBm: 25, 25, 26, 26, 27, 27, 28, 29, 29, 29 RX Sensitivity, dBm: -64, -66, -70, -72, -74, -78, -81, -85, -88, -90
Type	Integrated dual-polarized parabolic antenna
Gain	23dBi
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 – 6.1 GHz
Polarization	Dual linear
VSWR	< 1.5
Azimuth beamwidth (H pol)	7°
Azimuth beamwidth (V pol)	7°
Elevation beamwidth	7°



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