

**300Mbps 2.4GHz Outdoor high power wireless bridge(Elevator Dedicated)**



- \*PTMP Range: 2Km
- \*Frequency band & Channels: 2.4GHz
- \*Transmit power: Up to 29 dBm
- \*Antenna Gain: Self-contained 9dBm antenna
- \*Angle of antenna: H60°, V28°
- \*Support WALN
- \*Standards: IEEE802.11ac.b/g/n, Protocol: CSMA/CA, TCP/IP, IPX/SPX, NetBEUI, DHCP, NDIS3/4/5.1 pair

<b>Model Number</b>	<b>WDM-CPE2402</b>
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**Wireless Specifications**

WLAN standard	IEEE802.11ac/b/g/n, IEEE 802.3u, IEEE 802.3at. 300Mbps
Wireless operating modes	Access point (auto WDS), Station, Station WDS, iPoll Access Point, iPoll Station
Network operating modes	AP /TDMA/Client Bridge
Networking Interface	1*10/100 BASE-TX(Cat.5, RJ-45) Ethernet Interface
Frequency band	2.4 GHz(2300~2700MHz)
Transmit power	Up to 29 dBm (country dependent)
Transmission Rate	300Mbps theoretical bandwidth
Channel size	52, 2300MHZ~2700MHZ
Modulation schemes	DBPSK, DQPSK, CCK, OFDM, 16-QAM, 64-QAM
Receptive sensitivity	802.11a: -95dBm@6Mbps, -78dBm@54Mbps 802.11n: HT20: -87dBm@MCS0, -69dBm@MCS7 HT40: -87dBm@MCS0, -67dBm@MCS7
Maximum transmit power	20.0dBm (Single channel, ±1.5dB) @11n 21.0dBm (Single channel, ±1.5dB) @11a
EVM	-28.5dBm@6Mbps-31.0dBm@54Mbps
With PA	Yes
Security	WPA2/WPA/AES/TKIP
Services	DHCP server, SNMP server, NTP client, Remote syslog, Private protocol, Ping watchdog
Tools	Site survey, Link test, Antenna alignment, Ping, Traceroute, Spectrum analyzer
DHCP	Client, Server, Relay
Port forwarding	Supported
Certificate	FCC/CE/Safety/ RoHS

**Wired**

Interface	1pc 10/100 Internet port, 1pc reset port, 1pc sata, RJ45
LED	1pc power point light, 1pc LAN light, RSSI LED(4 signal strength indicators)

**Electrical**

Power supply	12V DC, 24V POE
Power method	passive Power over Ethernet(pairs 4,5+; 7,8 return)
Max Power consumption	8 Watts

**Management**

System monitoring	SNMP, Syslog, Web UI, WNMS
Configuration	WebUI, WNMS

**System**

Processor Specs	QCA9531
Memory Information	DDR2 64M
Flash	16M SPI Flash
Install way	Pole
Waterproof	IP45
Mean time between failures(MTBF)	20000Hours

**Environmental**

Operating temperature	-40℃~55℃/-45℃~85℃
Operating Humidity	5 ~ 95 % (non-condensing)

**Self-contained 9dBm antenna**

Type	Self-contained antenna(optional); soldered on PCBA
Frequency range	2.4GHz
Antenna Gain	Build in 12dBi dual polarized directional antenna
Polarization	Dual linear
Antenna H-pol BeamWidth	60°
Antenna V-pol BeamWidth	28°

**Antenna Technical Specifications**

VSWR	H-Pol Azimuth, H-Pol Elevation, V-Pol Azimuth, V-Pol Elevation
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