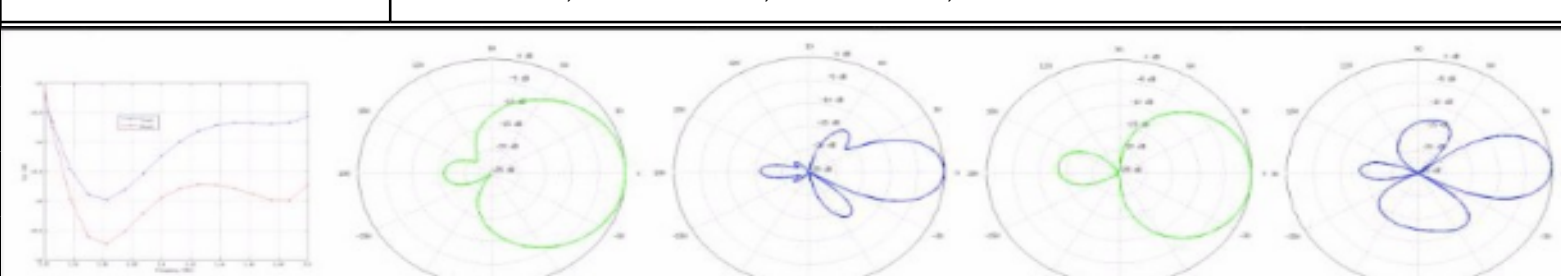


## 300Mbps 5.8GHz Outdoor high power wireless bridge



- \*PTMP Range: 4Km**
- \*Frequency band & Channels: 5.150-5.850 GHz (FCC 5.745-5.825 Ghz)**
- \*Transmit power: Up to 29 dBm**
- \*Antenna Gain: 14dBi(patch pannel antenna)**
- \*Angle of antenna: H60°, V60°**
- \*Support WALN**
- \*Standards: IEEE802.11a/n, Private Protocol**

<b>Model Number</b>	<b>WDM-CPE5804</b>
<b>Wireless Specifications</b>	
WLAN standard	IEEE802.11a/n , MIMO 2X2 , 300Mbps
Wireless operating modes	Access point (auto WDS), Station, Station WDS, iPoll Access Point, iPoll Station
Network operating modes	AP/Ipoll 2 /Ipoll 3 /Client Bridge
Networking Interface	1*10/100 BASE-TX(Cat.5, RJ-45) Ethernet Interface
Radio mode	MIMO 2x2
Frequency band	5.8 GHz(5.150-5.850 GHz, FCC 5.745-5.825 Ghz)
Transmit power	Up to 29 dBm (country dependent)
Transmission Rate	300Mbps theoretical bandwidth
Channel size	5G spread spectrum, frequency support up to 6000MHZ
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	WPA-PSA , WPA2-PSA , WPA/WPA2-PSA
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
<b>Wired</b>	
Interface	1pc 10/100 Internet port, 1pc reset port, 1pc sata, RJ45
LED	1pc power point light, 1pc LAN light, 4 signal strength indicators
<b>Electrical</b>	
Power supply	POE 24V
Power method	passive Power over Ethernet(pairs 4,5+; 7,8 return)
Max Power consumption	8 Watts
<b>Management</b>	
System monitoring	SNMP, Syslog, Web UI, WNMS
Configuration	WebUI, WNMS
<b>System</b>	
Processor Specs	Atheros AR9342 Networking Processor
Memory Information	DDR2 64M
SPI Flash	16M
Install way	Pole
Waterproof	IP45
Mean time between failures(MTBF)	20000Hours
<b>Environmental</b>	
Operating temperature	-40°C~55°C/-45°C~85°C
Operating Humidity	5 ~ 95 % (non-condensing)
<b>Antenna</b>	
<b>Integrated 2*2 MIMO Antenna</b>	
Type	Integrated directional dual polarization antenna
Frequency range	5.8GHz
Antenna Gain	14dBi(patch pannel antenna)
Polarization	Dual linear
Antenna H-pol BeamWidth	60°
Antenna V-pol BeamWidth	60°
<b>Antenna Technical Specifications</b>	
VSWR	H-Pol Azimuth, H-Pol Elevation, V-Pol Azimuth, V-Pol Elevation
	
<p style="text-align: center;"> <span>VSWR</span>                <span>H-Pol Azimuth</span>                <span>H-Pol Elevation</span>                <span>V-Pol Azimuth</span>                <span>V-Pol Elevation</span> </p>	