

CPE510

TP-link outdoor 5GHz 300 Mbps high power Wireless Access Point

Product Overview

TP-link TL-CPE510 outdoor 5GHz 300 Mbps high power Wireless Access Point - atheros, Wisp Client Router, Up to 27dBm, 2T2R, 5GHz 802.11a/n, High sensitivity, 13dBi directional antenna, Weather proof, Passive PoE, Supports tdma, Central control, Built-in 13dBi 2x2 dual-polarized MIMO antenna, 2x 10/100 Mbps LAN



Specifications

Features:

5ghz 300mbps 13dbi outdoor cpe cpe510

- Built-in 13dbi 2x2 dual-polarized mimo antenna
- Adjustable transmission power from 0 to 27dbm/500mw
- System-level for more than 15km long range wireless transmission
- Tp-link pharos maxstream tdma (time-division-multiple-access) improves product performance in throughput, capacity and latency performance, ideal for ptmp applications
- Centralized system pharos control
- Ap / client / repeater / ap router / ap client router (wisp) operation modes
- Passive poe supports up to 60 meter (200 feet) power over ethernet deployment and allows the device to be reset remotely

Point-to-multi-point connections

Tp-link's 5ghz 300mbps 13dbi outdoor cpe, the cpe510 is dedicated to cost effective solutions for outdoor wireless networking applications. With its centralized application, it is flexible and ideal for point-to-point, point-to-multipoint and outdoor wi-fi coverage applications. Professional performance, coupled with user-friendly design, makes cpe510 an ideal choice for both and home users.

Enterprise hardware

With qualcomm atheros enterprise level chipsets, high gain antennas and high quality material, specially designed enclosure, and poe power supply, cpe510 is specially designed for outdoor use and can operate flawlessly in almost any climate, with operating temperatures ranging from -30 (-22) to +70 (158).

Qualcomm atheros enterprise 560mhz cpu

- High power tx and high sensitivity rx radio front-end design

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Product Specification Sheet

- Advanced antenna system
- Built-in high gain dual-polarized antenna
- Dedicated metal reflector ensures higher gain
- And lower noise interference
- 15km+tp-link maxstream tdma technology
- As network scale increases, wireless competition and collisions among cpes and base stations will be
- So enormous that the real throughput of the network will drop, resulting in a serious impact on end-user
- Experience. To mitigate these effects, the cpe510 uses maxstream tdma technology.

Pharos control centralized system

- Cpe510 also comes equipped with centralized management software that helps users easily
- Manage all the devices in their network from pc - pharos control. Functions like device discovery,
- Status monitoring, firmware upgrading, and network maintenance can be managed using pharos control.

Pharos

- User-friendly web-based management system allows professionals to do more specific configurations.
- 5ghz 300mbps 13dbi outdoor cpe cpe510
- Built-in 13dbi dual-polarized
- Antenna
- Ap / client / repeater / ap router /
- Ap client router (wisp) operation modes
- 6000v lightning protection
- Weather proof enclosure
- 15kv esd protection
- Passive poe

Specifications:

HARDWARE	
Processor	Qualcomm Atheros Enterprise AR9350B 560MHz CPU, MIPS 74Kc
Interface	1 10/100Mbps Shielded Ethernet Port (LAN0, Passive PoE in)
	1 10/100Mbps Shielded Ethernet Port (LAN1, Passive PoE Passthrough)
	1 Grounding Terminal
	1 Reset Button
Dimensions (W x D x H)	224 x 79 x 60 mm
Antenna Type	Built-in 13dBi 2x2 Dual-polarized Antenna
	Beam Width: 45degrees (H-Plane) / 30degrees (E-Plane)
	Note: For more details, please refer to datasheet
Protection	15KV ESD Protection
	6000V Lightning Protection
Power Consumption	13 Watts Max
	Note: When deployed using Passive PoE, the power drawn from the power source will be higher by some amount depending on the length of the connecting cable.
Power	Passive Power over Ethernet via LAN0 (+4, 5pins, -7, 8pins)
	Voltage range: 16-27VDC

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Enclosure	Outdoor ASA plastic material
	IPX5 waterproof Certification
Memory	64MB DDR2 RAM, 8MB Flash
WIRELESS	
Wireless	IEEE 802.11a/n (with Pharos MAXstream disabled)
Proprietary Protocol	TDMA Mode (with Pharos MAXstream enabled)
Wireless Speeds	Up to 300Mbps (40MHz, Dynamic)
	Up to 144.4Mbps (20MHz, Dynamic)
	Up to 72.2Mbps (10MHz, Dynamic)
	Up to 36.1Mbps (5MHz, Dynamic)
Frequency	5.15~5.85GHz
	Note: Available operating frequency may vary depending on the limitations of the countries or regions in which the device is used.
Reception Sensitivity	802.11a:
	54M: -75dBm, 48M: -76dBm, 36M: -83dBm, 6-24M: -95dBm
	802.11n:
	MCS15: -73dBm, MCS14: -74dBm, MCS13: -76dBm
	MCS12: -80dBm, MCS11: -83dBm, MCS10: -88dBm
	MCS9: -90dBm, MCS8: -93dBm, MCS7: -73dBm
	MCS6: -74dBm, MCS5: -76dBm, MCS4: -80dBm
	MCS3: -83dBm, MCS2: -88dBm, MCS1: -90dBm, MCS0: -93dBm
Transmission Power	27dBm/500mw (Adjustable power by 1dBm)
	Note: Maximum transmission power may vary across different depending on the limitations of the countries or regions in which the device is used.
SOFTWARE FEATURES	

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Product Specification Sheet

Wireless Configurations	Pharos MAXtream TDMA
	802.11a/n Modes
	Selectable Channel Width: 5/10/20/40MHz
	Automatic Channel Selection
	Transmission Power
	Dynamic Frequency Selection (DFS)
	WDS Enable/Disable
	Security: WPA/WPA2, WPA-PSK/WPA2-PSK (AES/TKIP) Encryption, 64/128/152-bit WEP Encryption
	SSID Broadcast Enable/Disable
	Multi-SSID with VLAN (AP mode only)
	Distance/ACK Timeout Setting
	Wireless MAC Address Filter
	Wireless Advanced:
	> Beacon Interval/RTS Threshold/Fragmentation
	>Threshold/DTIM Interval/AP Isolation/Short GI/Wi-Fi Multimedia
Management	Discovery and Remote Management via Pharos Control application
	HTTP/HTTPS Web-based management
	System Log
	SNMP Agent(v2c)
	Ping Watch Dog
	Dynamic DDNS
	SSH Server
System Tools	Wireless Signal Quality Indicators:
	Signal Strength/Noise/Transmit CCQ/CPU/Memory
	Monitors: Throughput / Stations / Interfaces / ARP / Routes / WAN / DHCP
	Spectrum Analyzer
	Speed Test
	Ping
	Traceroute
System-level Optimizations	Optimized IGMP Snooping/Proxy for multicast applications
	Hardware watch dog
POE ADAPTER FEATURES	
Interfaces	1 AC Jack with Earth Ground
	1 10/100Mbps Shielded Ethernet Port (Power + Data)
	1 10/100Mbps Shielded Ethernet Port (Data)
Efficiency	>80%

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Button	Remote Reset Button
Certifications	CE / FCC / UL / IC / GS / PSB / C-tick / SAA / S-Mark / KC-mark
Power Status LEDs	0~0.8A: Green
	0.8A~1.0A: Red
Output	24VDC, 1.0A Max
	+4, 5pins, -7, 8pins. (Support up to 60m Power over Ethernet)
Input Voltage	100VA~240VAC @ 50Hz~60Hz
Dimensions(W x D x H)	110*57*33.5mm
Input Current	0.8A Max @ 100VAC
Input	100-240VAC, 50/60Hz
Output Voltage	24VDC(+4, 5pins, -7, 8pins)
OTHERS	
Certification	CE, FCC, RoHS, IPX5
Package Contents	Outdoor Wireless CPE
	24V 1A Passive PoE Adapter
	Pole Mounting Straps
	AC Power Cord
	Installation Guide
System Requirements	Microsoft Windows 98SE, NT, 2000, XP, Vista or Windows 8, Windows 7, MAC OS, NetWare, UNIX or Linux.
	Note: We recommend you to use one of following Web browsers for an improved user experience: Google Chrome, Safari, and Firefox. IE browsers are not recommended.
Environment	Operating Temperature: -30degC - 70degC (-22 ~158)
	Storage Temperature: -40 ~70 (-40 ~158)
	Operating Humidity: 10%~90% non-condensing
	Storage Humidity: 5%~95% non-condensing

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx-computers.co.za/CPE510-TP-link-outdoor-5GHz-300-Mbps-high-power-Wireless-Buy-p-289514.php>

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