

Access Point CPE510

CPE510 5GHz 300Mbps 13dBi Outdoor CPE

Built-in 13dBi 2x2 dual-polarized directional MIMO antenna

Adjustable transmission power from 0 to 26dBm/200mw

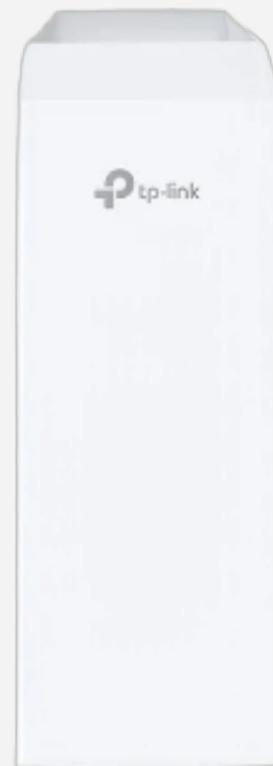
System-level optimizations for more than 15km long range wireless transmission

TP-LINK Pharos MAXtream TDMA (Time-Division-Multiple-Access) technology improves product performance in throughput, capacity and latency performance, ideal for PTMP applications

Centralized Management System - Pharos Control

AP / Client / AP Client Router (WISP) operation modes

Passive PoE Adapter supports up to 60 meters (200 feet) Power over Ethernet deployment and allows the device to be reset remotely



Detailed

HARDWARE FEATURES	
Processor	Qualcomm Atheros Enterprise 560MHz CPU, MIPS 74Kc
Memory	64MB DDR2 RAM, 8MB Flash
Interface	1 10/100Mbps Shielded Ethernet Port (LAN0,Passive PoE in) 1 Grounding Terminal 1 Reset Button
Power Supply	Passive Power over Ethernet via LAN0 (+4,5pins; -7,8pins) Voltage range: 16-27VDC
Power Consumption	9.8 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.
Dimensions (W x D x H)	224 x 79 x 60 mm
Antenna Type	Built-in 13dBi 2x2 Dual-polarized Directional Antenna Beam Width: 45° (H-Plane) / 45° (E-Plane) Note: For more details, please refer to datasheet
Protection	15KV ESD Protection 6KV Lightning Protection
Enclosure	Outdoor ASA stabilized plastic material IPX5 waterproof Certification

WIRELESS FEATURES	
Wireless Standards	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.
Transmission Power	26dBm/398mw (Adjustable power by 1dBm) Note: Maximum transmission power may vary across different channels depending on the limitations of the countries or regions in which the device is used.

SOFTWARE FEATURES	
Wireless Configurations	Pharos MAXstream TDMA Technology 802.11a/n Modes Selectable Channel Width: 5/10/20/40MHz Automatic Channel Selection Transmission Power Control 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 Tagging (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	
Dimensions(W x D x H)	85.8×43.9×29.7 mm
Interfaces	1 AC Jack with Earth Ground 1 10/100Mbps Shielded Ethernet Port (Power + Data) 1 10/100Mbps Shielded Ethernet Port (Data)
Button	Remote Reset Button
Power Status LEDs	Green
Input	100-240VAC, 50/60Hz
Output	24VDC, 0.5A Max +4, 5pins; -7, 8pins. (Support up to 60m Power over Ethernet)
Efficiency	>80%
Certifications	CE/FCC/UL/IC/GS/PSB/SAA/S-Mark/KC-mark

OTHERS	
Certification	CE, FCC, RoHS, IPX5
Package Contents	Outdoor Wireless CPE 24V 0.5A Passive PoE Adapter Pole Mounting Straps AC Power Cord Installation Guide
System Requirements	Microsoft Windows 98SE, NT, 2000, XP, Vista™ or Windows 10, 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: -40°C~70°C (-40°F~158°F) Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing Storage Humidity: 5%~95% non-condensing