



5GHz 300Mbps 13dBi Outdoor CPE

CPE510

SKU: 173007 UPC: 845973070922

TP-LINK's 5GHz 300Mbps 13dBi Outdoor CPE, the CPE510 is dedicated to cost effective solutions for outdoor wireless networking applications. With its centralized management 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 business and home users.

Features

- Built-in 13dBi 2x2 dual-polarized directional MIMO antenna
- Adjustable transmission power from 0 to 23dBm/200mw
- System-level optimizations for more than 15km long range wireless transmission
- TP-LINK Pharos MAXstream 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 Router / AP Client Router (WISP) operation modes
- Passive PoE Adapter supports up to 60 meter (200 feet) Power over Ethernet deployment and allows the device to be reset remotely

HARDWARE FEATURES	
Processor	Qualcomm Atheros Enterprise 560MHz CPU, MIPS 74Kc
Memory	64MB DDR2 RAM, 8MB Flash
Interface	1 10/100Mbps Shielded Ethernet Port (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	10.5 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)	8.8 x 3.1 x 2.4 in
Antenna Type	Built-in 13dBi 2 x 2 Dual-polarized Directional Antenna Beam Width: 45° (H-Plane) / 30° (E-Plane)
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 FEATURES	
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	23dBm/200mw (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)	4.3 x 2.2 x 1.3 in
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, 1A Max +4, 5pins; -7, 8pins. (Support up to 60m Power over Ethernet)
Efficiency	>80%

POE ADAPTER FEATURES	
Certifications	CE/FCC
OTHERS	
Certification	FCC, RoHS, IPX5
Package Contents	Outdoor Wireless CPE 24V 1A Passive PoE Adapter Pole Mounting Straps AC Power Cord Installation Guide
System Requirements	Google Chrome, Safari, and Firefox browsers for web GUI management
Environment	Operating Temperature: -30°C~70°C (-22°) Storage Temperature: -40° (-40°) Operating Humidity: 10%~90% non-condensing Storage Humidity: 5%~95% non-condensing