Access Point CPE610

CPE610 5GHz 300 Mbps 23 dBi Outdoor Wifi Access Point

- Wi-Fi speeds up to 300 Mbps at 5 GHz
- 2x2 MIMO 23 dBi high gain directional antenna and metal shielding for long distance data transmission
- Excellent beam directivity, less delays and interference
- Innovative locking mechanisms for quick assembly and a robust design make the CPE610 stable even in strong winds.
- The all-weather IP65 enclosure, electrostatic discharge protection up to 15 kV and lightning strike protection up to 6 kV ensure operation in all atmospheric conditions.
- TP-LINK Pharos MAXtream TDMA technology (TDMA - multiple access with time division) improves the throughput and performance of the device, reduces latency
- Pharos Control – A free, centralized network management application
- Passive PoE technology for easy installation of devices

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Hardware Specifications	
Processor	Qualcomm 560 MHz, MIPS 74Kc
Memory	RAM-64 MB DDR2 Flash-8 MB
Interfaces	1 10/100 Mbps shielded Ethernet (LAN/PoE) port 1 Reset button
Power supply	Passive PoE over LAN (+ : pins 4,5; -: pins 7,8) Voltage range: 16-27 VDC
Power consumption	7.41 W

	Note: When using Passive PoE, the power consumption will be slightly higher depending on the length of the connecting cable.
Dimensions (W × L × H)	366 × 280 × 207 mm
Antenna gain	23 dBi
Antenna beam width	9° (horizontal), 7° (vertical)
Protection	Electrostatic discharge protection up to 15 kV Lightning strike protection up to 6 kV
Body	Material: Stabilized plastic for outdoor use Weatherproof: IP65 certified for moisture and dust protection

WI-FI SETTINGS	
Wi-Fi Standards	IEEE 802.11a/n
Custom protocol	TDMA mode (with Pharos MAXtream enabled)
Wireless data transfer rate	Up to 300 Mbit/s (40 MHz, dynamic) Up to 144.4 Mbit/s (20 MHz, dynamic) Up to 72.2 Mbit/s (10 MHz, dynamic) Up to 36.1 Mbit/s (5 MHz, dynamic)
Frequency ranges	5.15-5.85 GHz Note: The available operating frequencies may vary depending on the restrictions of the country or region in which the device is used.
EIIM	< 20 dBm or < 100 MW

Software Features	
Operating modes	access point, client, access point with router, access point and client-router (WISP wireless client)
Network Settings	WAN: Static/Dynamic/PPPoE/L2TP / PPTP LAN: Static/Dynamic / DHCP Forwarding: DMZ / ALG/UPnP / Virtual Server / Port Trigger Security: SPI Firewall / Ping Packet Denial/VPN/DoS Protection Access Control Static Routing Bandwidth Control IP and MAC Address Binding
Wireless Mode Settings	Pharos MAXtream TDMA technology Channel width selection: 5/10/20/40 MHz Automatic channel selection Transmission power control Dynamic Frequency Selection (DFS) Enable / Disable WDS Security: WPA/WPA2 encryption, WPA-PSK/WPA2-PSK (AES/TKIP), 64/128/152-bit WEP encryption Enable / Disable Multi-SSID broadcast with VLAN tagging (access point mode only) Configuring Distance/ACK Timeout MAC Address Filtering Additional Wireless Mode Settings: Beacon Interval/RTS Threshold/ Fragmentation Threshold /DTIM Interval/Access Point Isolation/Short GI/Wi-Fi Multimedia

Management	Search and remote management using Pharos Control HTTP / HTTPS Web Configuration Utilities Syslog SNMP Agent (v2c) Ping Watch Dog Dynamic DDNS SSH Server
System tools	Indicators: Signal/Noise Level/CCQ Transmission/Processor/Memory Monitoring: Throughput capacity/Customers/Interfaces / ARP / Routes/WAN/DHCP Spectrum Analysis Ping Speed Check Tracing
System-level optimization	Optimized IGMP Snooping / Proxy for Multicast Groups Watchdog Timer

PoE Adapter Specifications	
Dimensions (W × L × H)	85.8 × 43.9 × 29.7 mm
Interfaces	1 ground pin 1 10/100 Mbps shielded Ethernet port (power + data) 1 10/100 Mbps shielded Ethernet port (data)
Buttons	Remote Reset
LED Power Indicators	Green
Input power	100-240 VAC, 50/60 Hz
Output current	24 VDC, 0.5 A Max +: Pins 4, 5; –: Pins 7, 8. (Support PoE up to 60m).
Efficiency	> 84,29 %
Certification process	CE/FCC/UL/IC/GS/PSB/C-tick/SAA/S-Mark/KC-mark

Other	
Certification process	CE, FCC, RoHS, IP65
Scope of delivery	Outdoor Wireless Access Point 24V 0.5 A Passive PoE Adapter Mast Mount Kit Power Cable Installation Guide
System requirements	Microsoft Windows 98SE, NT, 2000, XP, Vista™ или Windows 10, Windows 8, Windows 7, MAC OS, NetWare, UNIX or Linux. Note: For a better user experience, we recommend that you use one of the following web browsers: Google Chrome, Safari, and Firefox. It is not recommended to use Internet Explorer web browsers.
Environmental parameters	Operating temperature: -40°C~70°C Storage temperature: -40°C~70 ° C Operating humidity: 10%~90%, non-condensing Storage humidity: 5%~95%, non-condensing