

TP-Link CPE510(CPE510)

TP-Link CPE510 - Radio access point - Wi-Fi - 5 GHz



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.

Key Selling Points

- Built-in 13dBi dual-polarized antenna
- Directional antenna 6000V
- Lightning protection
- 15KV ESD protection
- Weather proof enclosure
- Passive PoE adapter

Product Features

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 a wide range of operating temperatures.

15km+ wireless data transmission

Specially designed for outdoor uses, ideal for long distance wireless data transmission over 15km+, tested in the field.

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 management system

CPE510 also comes equipped with centralized management software that helps users easily manage all the devices in their network from a single PC - Pharos Control. Functions like device discovery, status monitoring, firmware upgrading, and network maintenance can be managed using Pharos Control.

Pharos OS

User-friendly web-based management system allows professionals to do more specific configurations.

Main Specifications

Product Description	TP-Link CPE510 - radio access point
Device Type	Radio access point
Form Factor	External
RAM	64 MB
Flash Memory	8 MB
Data Link Protocol	IEEE 802.11a, IEEE 802.11n
Frequency Band	5 GHz
Included Accessories	PoE injector, pole mount
OS Required	UNIX, Apple MacOS, Novell NetWare, Microsoft Windows 98 Second Edition, Linux, Microsoft Windows NT, Microsoft Windows 2000/XP/Vista/7/8
Power Over Ethernet (PoE) Supported	PoE
Dimensions (WxDxH)	7.9 cm x 6 cm x 22.4 cm

Extended Specification

General

Device Type	Radio access point
Width	7.9 cm
Depth	6 cm
Height	22.4 cm

Processor / Memory / Storage

RAM	64 MB DDR2 SDRAM
Flash Memory	8 MB

Networking

Form Factor	External
Connectivity Technology	Wireless
Data Transfer Rate	300 Mbps
Data Link Protocol	IEEE 802.11a, IEEE 802.11n
Frequency Band	5 GHz
Features	Routing, power over Ethernet (PoE), auto-uplink (auto MDI/MDI-X), repeating mode, MIMO technology, 15 KV Electrostatic Discharge Protection, WISP mode, wireless bridge mode, Wireless Client Mode, weatherproof
Encryption Algorithm	AES, 128-bit WEP, 64-bit WEP, 152-bit WEP, TKIP, WPA, WPA2, WPA-PSK, WPA2-PSK
Compliant Standards	IEEE 802.11a, IEEE 802.11n

Aerial

Antenna	Internal
Antenna Qty	1
Directivity	Directional
Gain Level	13 dBi

Expansion / Connectivity

Interfaces	1 x 100Base-TX - RJ-45
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Miscellaneous

Included Accessories	PoE injector, pole mount
Compliant Standards	FCC, RoHS, IPX5

Power

Power Over Ethernet (PoE) Supported	PoE
Power Consumption Operational	11 Watt

Software / System Requirements

OS Required

UNIX,Apple MacOS,Novell NetWare,Microsoft Windows 98 Second Edition,Linux,Microsoft Windows NT,Microsoft Windows 2000/XP/Vista/7/8

Environmental Parameters

Min Operating Temperature	-30 °C
Max Operating Temperature	70 °C
Humidity Range Operating	10 - 90% (non-condensing)

What's in the box

TP-LINK CPE510
PoE injector,pole mount

*Tech Data is not responsible for errors in the documentation of products.