

CPE505 300Mbps Outdoor AP/CPE/Bridge



CPE505N

Hardware Specifications

CPU	QCA9531
CPU nominal frequency	650MHz
CPU core count	1
Architecture	MIPS
RAM	128MB
FLASH	16MB
10/100 Ethernet ports	2
Supported input voltage	POE: 802.3 aF 24V0.5A
Max power consumption	8W
Dimensions	180mmx90mmx28mm
Operating system	Linux
USB slot type	0
Serial port	0
LED	One of tree colour
Button	Yes
Temperature Range	Operation Temperature: -10°C to +50°C Storage Temperature: -20°C to +60°C
Humidity	0%~90%
Wireless standards	IEEE802.11 b/g/n
Wireless rate	300Mbps

WiFi Wireless Specifications

2.4G

RF Frequency	Radio I: 11b/g/n: 2.412~2.484 GHz
Modulation	OFDM: BPSK, QPSK, 16-QAM, 64-QAM
Working Channels	North America 11, Japan 14, Europe 13
Wireless mode	802.11 b/g/n
Channel Bandwidth	20MHz/40MHz
Working Mode	AP/WDS/Ad-Hoc/Monitor

Receiver Sensitivity	
802.11 b (Mbps)	n Receiver signal level(dBm) FER < 8% (PSDU=1024Bytes)

n 11Mbps: -86dBm / 5.5Mbps: -93dBm
 2Mbps: -95dBm / 1Mbps: -96dBm

802.11 g
(Mbps)

n Receiver signal level(dBm) FER < 10% (PSDU=1024Bytes)

n 6Mbps: -91dBm / 9Mbps: -89dBm
 12Mbps: -85dBm / 18Mbps: -83dBm
 24Mbps: -80dBm / 36Mbps: -76dBm
 48Mbps: -71dBm / 54Mbps: -70dBm

802.11n HT20
(MCS)

n Receiver signal level(dBm) FER < 10%(PSDU=1024Bytes)

n MCS0/MCS8: -83dBm; MCS1/MCS9: -80dBm
 MCS2/MCS10: -78dBm; MCS3/MCS11: -75dBm
 MCS4/MCS12: -71dBm; MCS5/MCS13: -67dBm
 MCS6/MCS14: -66dBm; MCS7/MCS15: -65dBm
 Effective Radiated Power (dBm)
 n 802.11b:
 1Mbps-11Mbps: 27dBm

n 802.11g: 6Mbps-9Mbps: 26dBm / 12Mbps-18Mbps: 25dBm
 24Mbps-36Mbps: 25dBm / 48Mbps-54Mbps: 24dBm

n 802.11n: MCS0/MCS8: 22dBm; MCS1/MCS9: 25dBm
 MCS2/MCS10: 25dBm; MCS3/MCS11: 24dBm
 MCS4/MCS12: 24dBm; MCS5/MCS13: 24dBm
 MCS6/MCS14: 23dBm; MCS7/MCS15: 23dBm

Software Specifications

System Requirements
n Management: WEB(http1.0 /1.1)

n Browser Support: Microsoft IE 6.0 or above, Fire fox 2.0 or above
 System Status Overview
 n hostname

n model

n software version
 n local time

n uptime

n memory information
n network information

n DHCP v4/v6 information

n wireless/associated stations information
Firewall
n Reset and Restart firewall services

n Display all kinds of firewall tables information, includes FILTER, NAT, MANGLE and RAW
Routes
n Display ARP information

n IPv4/6 routes information
Log
Display system up information and kernel log
Real-time monitor
Display real-time load information, include traffic, wireless and connections
Processes
Display currently running system processes and their status

System Configure
System configure
n User can configure the basic aspects of the device, includes hostname and time zone and also could configure system log basics information, include buffer size, external system log server IP/port

n Time synchronization
Administration
n User could change administrator password

n SSH access
Software
n Remove/install software packages

n opkg configuration
Startup
n Enable/disable installed init scripts

n Customize local startup
Scheduled tasks
Customize scheduled tasks in the system crontab
Firmware upgrade
n User could upgrade system firmware image

n Backup/Restore configuration
Reboot
Reboot the system
Network Configure
Interfaces
n Display interfaces include LAN/WAN basics status

n User could configure global network options

n Add new interface
Wireless
n Display wireless basics configuration

n Display associated stations
Switch
User can configure VLAN
DHCP and DNS
User could configure DHCP and DNS
Hostname
User could configure device hostname
Static Routes
n Routes specify over which interface and gateway a certain host or network can be reached

n Add static IPv4/IPv6 routes
Diagnostics
User could use ping/traceroute/lookup tools to diagnostics
Firewall
n Firewall creates zones over your network interfaces to control network traffic flow

n Add Port forwards

n Traffic Rules

n Add Custom Rules
Logout
Logout the system
Feature List
Easy Setup
Internet/Wireless setting, 3G backup Setting
Network
n WAN: DHCP / Static IP / PPPoE / L2TP / PPTP / 3G

n LAN Setting

n Static DHCP Setting
Wirelessn Wireless Status

n Basic Setting

n MAC Authentication

n WPS

n Bridge Setting: AP / Client / WDS mode

n Advanced SettingQOS ManagementWMM
FirewallIn System Firewall

n Port Forwarding

n Traffic RulesManagementn NTP Setting

n Remote Management

n System Log

n Upgrade Firmware

n Administrator Setting

n Schedule

Product link : <https://www.p2w-tech.com/cpe505.html>