NetGen

11ac 1200 Mbps Ceiling / Wall Mount Wireless Access Point

W5-C1200 is an 11ac Wi-Fi standard, Dual Band, High Power Ceiling / Wall Mount Wireless Access Point with MTK chipset supports WAVE 2 MU-MIMO, combined with 1200 Mbps Wi-Fi speed over 2.4GHz (300 Mbps) and 5GHz (900 Mbps), supporting more than 80 client devices for high density deployments. This mode is suitable for deployments options for hotel, school, restaurant, SMB or other enterprise place.

FIT / FAT OPERATION MODE

W5-C1200 support FIT and FAT operation modes in FIT Mode the AP work with the WLAN Controller, supports plug and play deployment, centrally monitored and management by the WLAN Controller, mostly for enterprise applications. In FAT Mode the AP work in the standalone configuration and support operational modes as Access Point, Repeater, Gateway, WISP. The AP can be configured by GUI. This mode is suitable for home use or very few AP deployment scenarios.

MULTIPLE PROTECTION FOR STABLE PERFORMANCE

W5-C1200 AP casing is made with ABS fireproof material. The AP PCB board is with watchdog design, can reboot automatically in case of failure. The AP also supports lightning and ESD protection & can install in various harsh environment.

POWER OVER ETHERNET

W5-C1200 has integrated IEEE 802.3af Power over Ethernet (PoE). Transporting both power and data across a single ethernet cable ease the installation and lower the cost. This can be installed in areas where power outlets are not readily available, eliminating the mess of altering existing network infrastructure.

ZERO CONFIGURE & CLOUD MANAGEMENT SYSTEM

Support FIT / FAT AP together, work with WLAN Controller, zero configure in IP address, ESSID, Channel, Password, upgrade firmware, backup and restore. Then the WLAN controller can access into Cloud Management System, easy to make administrator access it, to do remote monitoring / management at any time and any place, make this AP and WLAN controller more professional and cost saved in Wi-Fi Projects.

Key Features

- Comply with IEEE 802.11ac/b/g/n, dual band, 1200 Mbps Data Rate, 11ac 2x2 MIMO Tech nology, 2*10/1000 Mbps Ethernet Ports to meet with different customer's request.

- Support active IEEE 802.3af 48V PoE standard.

- Support SSID broadcasting, Multi SSID up to 8 (4 SSID in 2.4GHz, 4 SSID in 5GHz).

- Support Gateway (PPPOE, static IP, dynamic IP), Wireless AP, Repeater, WISP operation mode in FAT AP

- With function of Built-in basic firewall, IP, URL & MAC Filter

- Comply with IEEE 802.3az standard, RF power adjustment and frequency analyzer for better application in different

HARDWARE SPECIFICATION

HARDWARE

Chipset
• MT7621DAT+MT7615D

Standard
• 802.11 a/b/g/n/ac, MIMO technology

Memory
• 128 MB

Flash
• SPI NOR 8 MB

Interface
• 1 * 10/100/1000 Mbps RJ45 WAN Port
• 1 * 10/100/1000 Mbps RJ45 LAN Port
• 1 * Reset button, press 15 seconds to revert to default setting

Antenna
• Built-in 5dBi 2.4GHz MIMO Antenna
• Built-in 4dBi 5.8GHz MIMO Antenna

Size
• 168mm * 168 mm * 32 mm

POE
• 48V, 0.5A

DC
• 12V, 1A

LED Indicator
• Sys, 2.4G WI-FI, 5.8G WI-FI, LAN, WAN

Max Power Consumption
• < 10W

ESD
• ±6KV

RF DATA

Frequency
• 2.4G : 802.11 b/g/n : 2400MHz~2484MHz
• 5GHz : 802.11 a/n/ac : 5150MHz ~5850MHz

Country code
• FCC, IC, ETSI, MKK, MKK1, MKK2, MKK3, NCC, RUSSIAN, CN

Modulation
• OFDM = BPSK,QPSK, 16-QAM, 64-QAM, 128-QAM, 256-QAM DSSS = DBPSK, DQPSK, CCK

Throughput
• 1200 Mbps

RF Power
• (2.4GHz) <20dBm

RF Power
• (5GHz) <23dBm

PPM
• ±20ppm

Max Users
• 128+

OTHERS

Package Contents
• 1200 Mbps Dual Band wireless access point
• Cat6 Ethernet Cable
• Quick Installation Guide
• Mounting Bracket

Environment
• Operating Temperature : -20~45 °C
• Storage Temperature : -40~70 °C
• Storage Humidity : 5%~95% non-condensing

Management
• GUI, Remote Management, WLAN Controller, Cloud
• Management System

FIRMWARE FEATURES

Operation mode
• Wireless AP : Plug and Play.
• Gateway : Dynamic IP / Static IP / PPPoE

Wireless Functions
• Multiple SSID functions: 2.4GHz: 4; 5.8GHz: 4
• Support SSID hidden
• Support SSID broadcast
• Support 5G Priority.
• Wireless Security: OPEN, WPA, WPA2, WPA-PSK, WPA2-PSK
• Support MAC filter
• Support Wi-Fi time on/off to save energy
• Support client isolation security feature that prevents wireless
• clients from communicating with one another
• Support RF power adjustable, adjust the RF power based on environment.
• Short GI Enable and Disable
• Support user quantity limited, Max 128 users to access each band.

Networking Function
• VLAN settings
• Cloud access support in gateway mode

Device Management
• Back-up the configuration
• Restore the configuration
• Reset to factory default
• Reboot the device: including time reboot or reboot immediately
• Admin management password modify
• Firmware upgrade
• System log
• Support firmware GUI web management, WLAN Controller management, remote management and cloud management

Protocols
• IPv4

NetGen

ANTENNA SPECIFICATION

Frequency Range
- 2.4GHz & 5.8GHz

Radiation
- Omni

Impedance
- 50 Ohms nominal

Polarization
- Vertical

Gain
- 4dBi

Explore Our Range of Lightning-Fast Ceiling Mount APs

MODEL	DATA RATE	FREQUENCY	TECHNOLOGY	INTERFACE	APPLICATION
W5-C1200	1200 Mbps	2.4GHz + 5GHz	Wi-Fi 5	10/100/1000M LAN/WAN*2	Office/Hospital/Hotel/Café/Enterprise
W5-C1200-W2	1200 Mbps	2.4GHz + 5GHz	Wi-Fi 5	10/100/1000M LAN/WAN*2	Office/Hospital/Hotel/Café/Enterprise
W6-C1800	1800 Mbps	2.4GHz + 5GHz	Wi-Fi 6	10/100/1000M LAN/WAN*2	Office/Hospital/Hotel/Café/Enterprise/Education/MICE
W6-C3500	3500 Mbps	2.4GHz + 5GHz	Wi-Fi 6 - Ax	10/100/1000/2500M LAN/WAN*2	Office/Hospital/Hotel/Café/Enterprise/Education/MICE

ADD ON BENEFITS
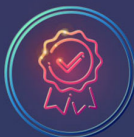
ENHANCED PEACE OF MIND
GET 24-MONTH WARRANTY ON ALL ACCESS POINTS OF NETGEN

RESOLUTION WHEN YOU NEED IT
24X7 TELEPHONE SUPPORT FOR THE FIRST 60 DAYS

ALWAYS UP-TO-DATE
GET SUPPORT ON SOFTWARE AND LATEST PATCHES

NEVER HAVE A BROKEN DEVICE
GET SPARES & REPLACEMENTS SHIPPED NEXT BUSINESS DAY FOR FREE