

### Product Overview

***C780 is an IEEE 802.11ac Wi-Fi standard high power Ceiling Wireless Access Point with MTK chipset. It supports WAVE 2 MU-MIMO , combined with 1200Mbps Wi-Fi speed over 2.4GHz (300Mbps) and 5GHz (900Mbps), make more than 80 end users can access at the same time into it. It is an economic option for hotel, school, restaurant or other enterprise places.***

### Main Features

- Comply with IEEE 802.11ac/b/g/n, dual band, 1200Mbps Data Rate, 11ac 2x2 MIMO Technology
- 2\*10/1000Mbps 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 build in firewall, IP filter, URL filter and MAC filter
- Comply with IEEE 802.3az standard, RF power adjustment and frequency analyzer for better application in different environment

### Zero Configure and Cloud Management System

Support FIT/FAT AP together, work with Xentino WLAN Controller, zero configure in IP address, ESSID, Channel, Password, upgrade firmware, backup and restore. Besides that, it support advertisement and authentication functions like WeChat, Google, SMS, Facebook, Member Authentication.

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.



### FIT/FAT Operation Mode

**C780** supports FIT/FAT operation modes;

If **FIT AP**, work with AC controller, plug and play, central management by AC controller, mostly for enterprise application.

If **FAT AP**, support AP, repeater, gateway, WISP operation mode, can be configured by GUI, suit for home mostly.

### Multiple Protection for Stable Performance

**C780** with ABS fireproof material, white color, suite for various decoration styles. Besides that, PCB board with watchdog design, can reboot automatically in case of failure. What's more, it support lightning protection and ESD protection, can install in various harsh environment.

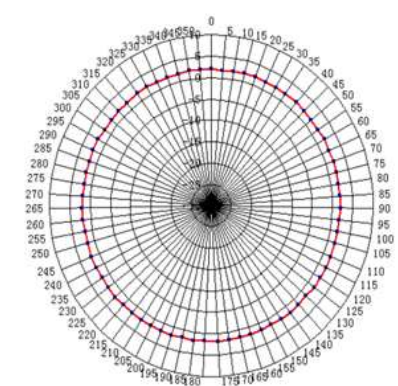
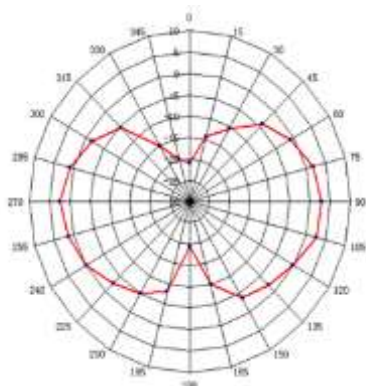
### Power over Ethernet

**C780** has integrated IEEE802.3af Power over Ethernet (PoE), for easy installation and lower cost. So it can be installed in areas where power outlets are not readily available, eliminating the mess of altering existing



Hardware	
Chipset	MT7621DAT+MT7615D
Standard	802.11ac/b/g/n, MIMO technology
Memory	128MB
Flash	SPI NOR 8MB
Interface	1 * 10/100/1000Mbps RJ45 WAN Port
	1 * 10/100/1000Mbps RJ45 LAN Port
	1 * Reset button, press 15 seconds to revert to default setting
Antenna	Build in 5dBi 2.4GHz MIMO Antenna Build in 4dBi 5.8GHz MIMO Antenna
Size	168mm * 168 mm * 32 mm
POE	48V $\equiv$ 0.5A
DC	12V $\equiv$ 1A
LED Indicator	Sys, 2.4G WIF, 5.8G WIFI, LAN, WAN
Max Power Consumption	< 10W
ESD	$\pm$ 6KV
RF Data	
Frequency	2.4G:802.11b/g/n: 2400MHz~2484MHz
	5GHz:802.11a/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	1200Mbps
RF Power (2.4GHz)	<20dBm
RF Power (5GHz)	<23dBm
PPM	$\pm$ 20ppm
Max Users	128+

### Antenna Performance



Others	
Package Contents	1200Mbps Dual Band wireless access point Ethernet Cable Quick Installation Guide Setting Accessory
Environment	Operating Temperature: -20~45 °C Storage Temperature: -40~70 °C Storage Humidity: 5%~95% non-condensing
Management	Firmware 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 Prior for a faster Ethernet.
	Wireless Security: OPEN, WPA, WPA2, WPA-PSK, WPA2-PSK
	Support MAC filter
	Support Wi-Fi time on/off to save energy
	Support client isolation to improve the wireless stability
	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, AC controller management, remote management and cloud management	
Protocols	IPv4