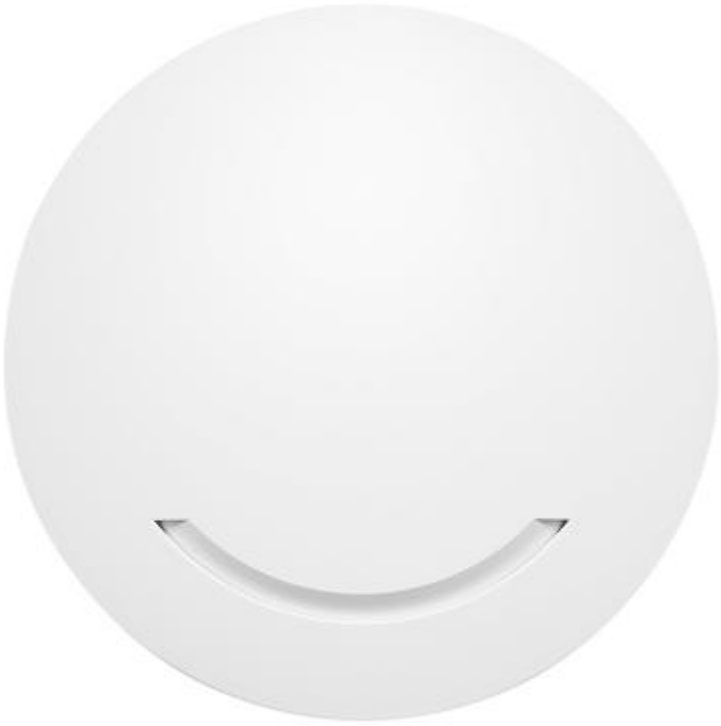
11ac 1200Mbps Ceiling Wireless AP

Model: AP240



Description:

AP240 is an 11ac Wi-Fi standard high power Ceiling Wireless Access Point with MTK chipset , combined 1200Mbps Wi-Fi speed over 2.4GHz(300Mbps) and 5GHz(900Mbps), make more than 80 end users can access into it. It is an economic option for hotel, school, restaurant or other enterprise place.

FIT/FAT Operation Mode

AP240 supports FIT/FAT operation mode;
FIT AP, work with AC controller, plug and play, central management by AC controller, mostly for enterprise application.
FAT AP, support AP, repeater, gateway, WISP operation mode, can be configured by GUI, suitable for home Use.

Multiple Protection for Stable Performance

AP240 with ABS fireproof material, white color, suitable for various decoration styles.And 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

AP240 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 available, eliminating the mess of altering existing network infrastructure.

Zero Configure & Cloud Management System

Support FIT/FAT AP together, work with Yunlink 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 save cost in Wi-Fi Projects.

Main Features:

1. Comply with IEEE 802.11ac/b/g/n, dual band, 1200Mbps Data Rate,11ac 2x2 MIMO,technology, 2* 10/100Mbps Ethernet Ports
2. Support active IEEE 802.3af 48V PoE standard
3. Support SSID broadcasting, Multi SSID up to 8 (4 SSID in 2.4GHz, 4 SSID in 5GHz)
4. Support Gateway (PPPOE, static IP, dynamic IP) , Wireless AP, Repeater, WISP operation mode in FAT AP
5. With function of build in firewall, IP filter, URL filter and MAC filter
6. Comply with IEEE 802.3az standard, RF power adjustment and frequency analyzer for better application in different environment

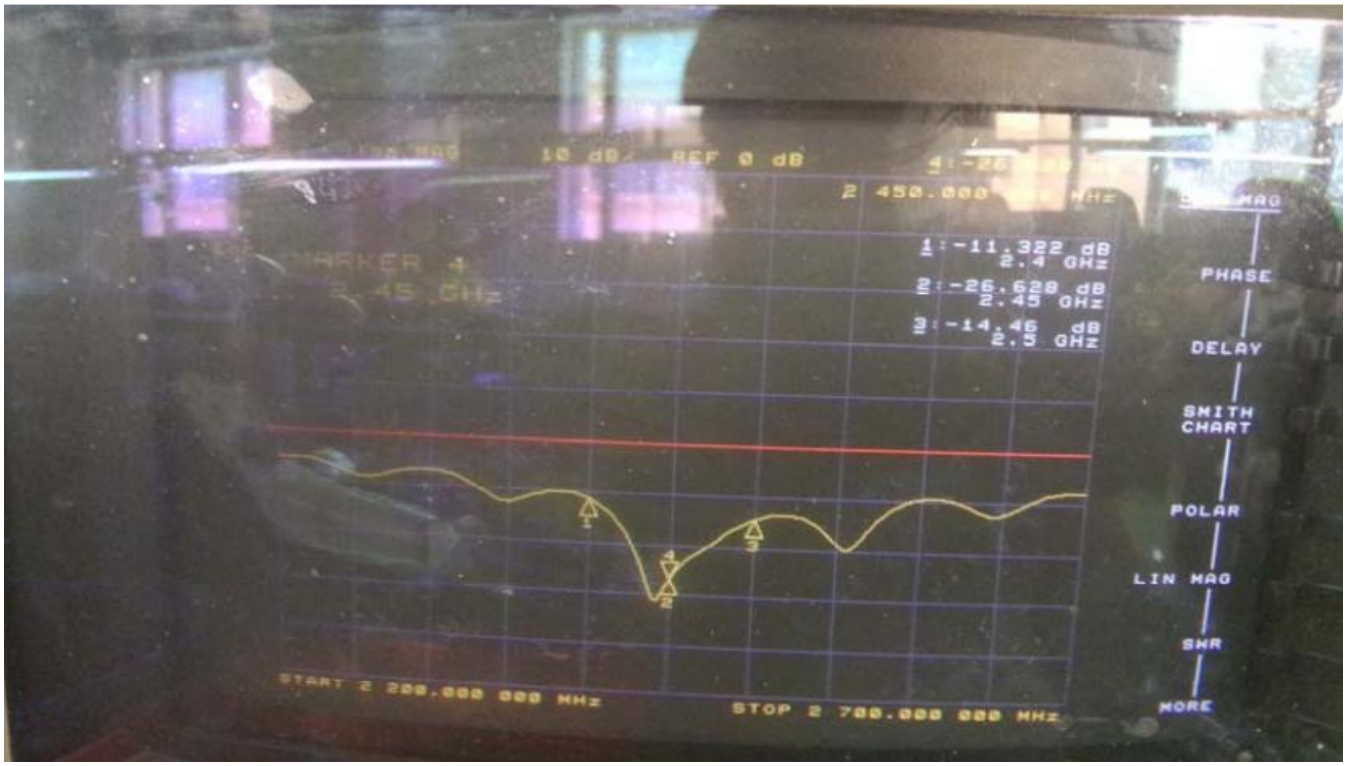
Hardware Specification

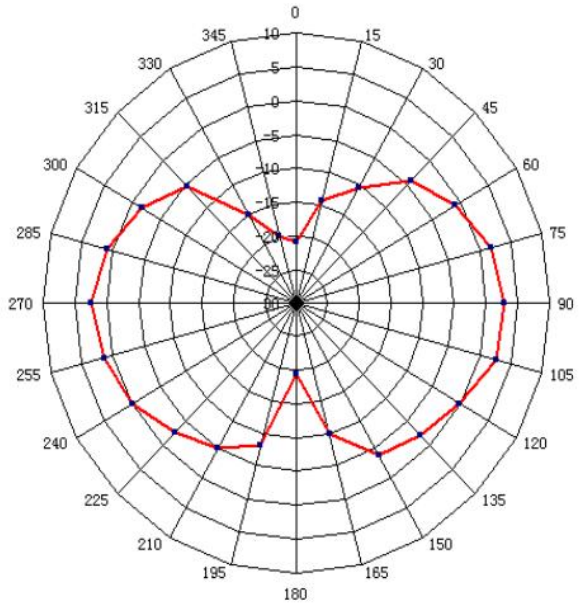
Hardware:	
Chipset	MT7628DAN+MT7613BEN
Standard	802.11ac/b/g/n, MIMO technology
Memory	64MB
Flash	SPI NOR 8MB
Interface	1 * 10/100Mbps RJ45 WAN Port
	1 * 10/100Mbps RJ45 LAN Port
	1 * Reset button, press 15 seconds to revert to default setting
Antenna	Build in 5dBi 2.4GHz MIMO Antenna Build in 4dBi 5.8GHz MIMO Antenna
Size	188*33mm
POE	48V ⎓ 0.5A
DC	12V ⎓ 1A
LED Indicator	Sys, 2.4G WIF, 5.8G WIFI, LAN, WAN
Max Power Consumption	< 10W
ESD	±6KV
Surge Protection	Different mode: ±2KV
RF Data	
	2.4G:802.11b/g/n: 2.4GHz~2484GHz
	5GHz:802.11a/n/ac: 5150MHz ~5850MHz

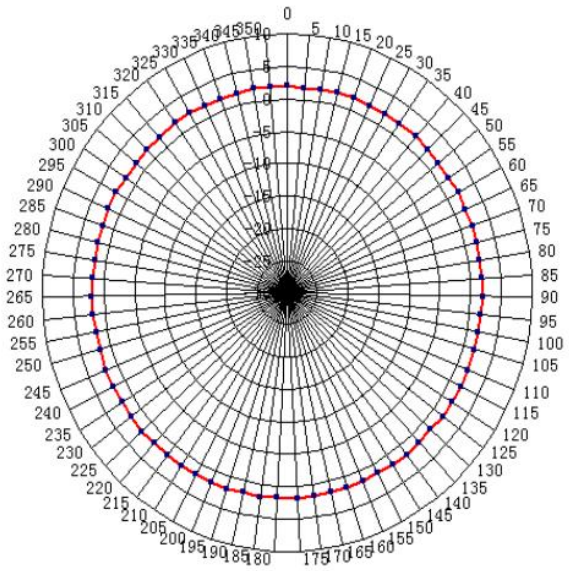
Frequency	
Country code	FCC、IC、ETSI、MKK、MKK1、MKK2、MKK3、NCC、RUSSIAN、CN
Modulation	OFDM = BPSK,QPSK, 16-QAM, 64-QAM, 128-QAM, 256-QAM
	DSSS = DBPSK, DQPSK, CCK
Throughput	1200Mbps
RF Power (2.4GHz)	<22dBm
RF Power (5GHz)	<21dBm
PPM	±20ppm
Max Users	128+
Others:	
Package Contents	1200Mbps Dual Band wireless access point Ethernet Cable Quick Installation Guide Setting Accessory
Environment	Operating Temperature: -20~55 ℃ Storage Temperature: -40~70 ℃ Humidity: 5%~95% non-condensing; Storage Humidity: 5%~90% 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

Antenna Specification

Frequency Range	2.4GHz & 5.8GHz
Impedance	50 Ohms nominal
Gain	4dBi
Radiation	Omni
Polarization	Vertical
S-Parameters (2.4G&5.8G)	



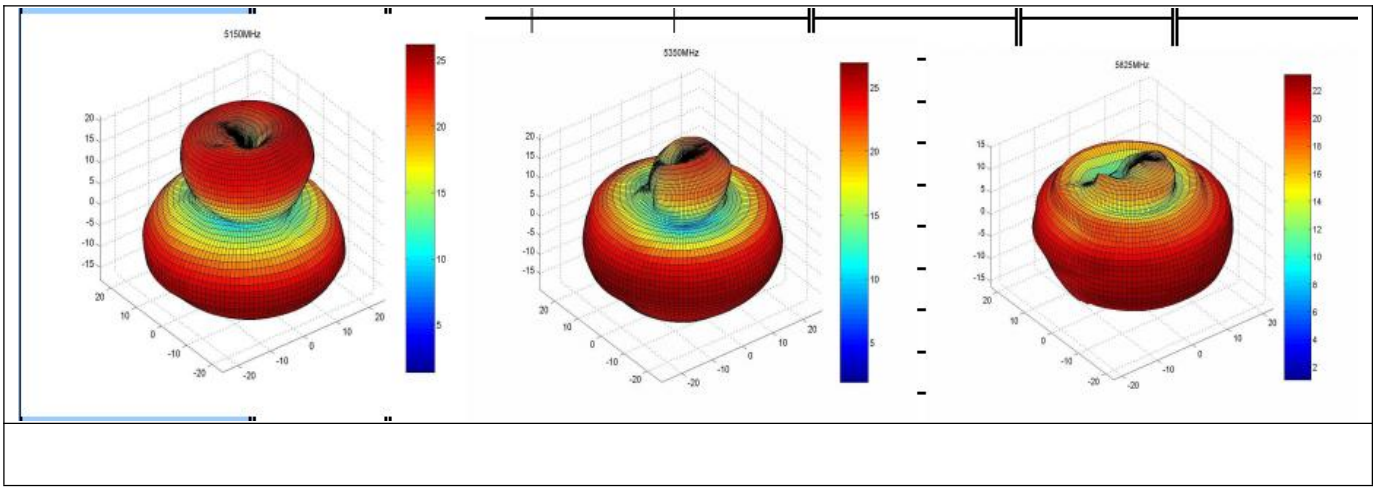




Manufacturer	调试
Model Name	5.8G_S1_2
Tester Name	Keesun
Test Date	2019/04/08 19:53
IF BW	300Hz
Port Power	10dBm
Meas Step	10 `

Photo

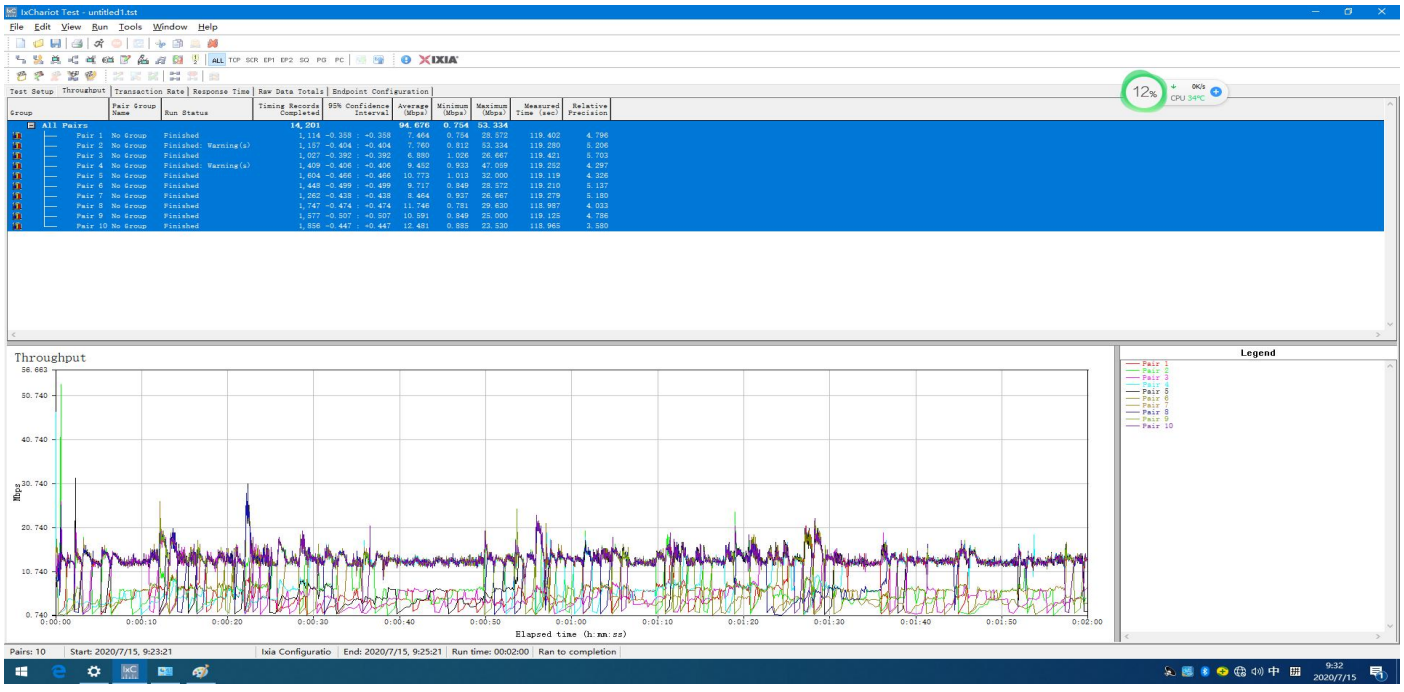
Frequency(MHz)	Effi %	Max			Max Position	Gain	Directivity
		Ver	Hor	Sum	Theta / Phi	dBi	
5150 MHz	73.20	-62.83	-74.18	-62.83	110.00 / 330.00	3.18	4.53 dB
5350 MHz	71.42	-60.39	-73.28	-60.35	100.00 / 180.00	3.17	4.63 dB
5825 MHz	70.91	-63.52	-72.83	-63.52	100.00 / 270.0	3.85	4.50 dB



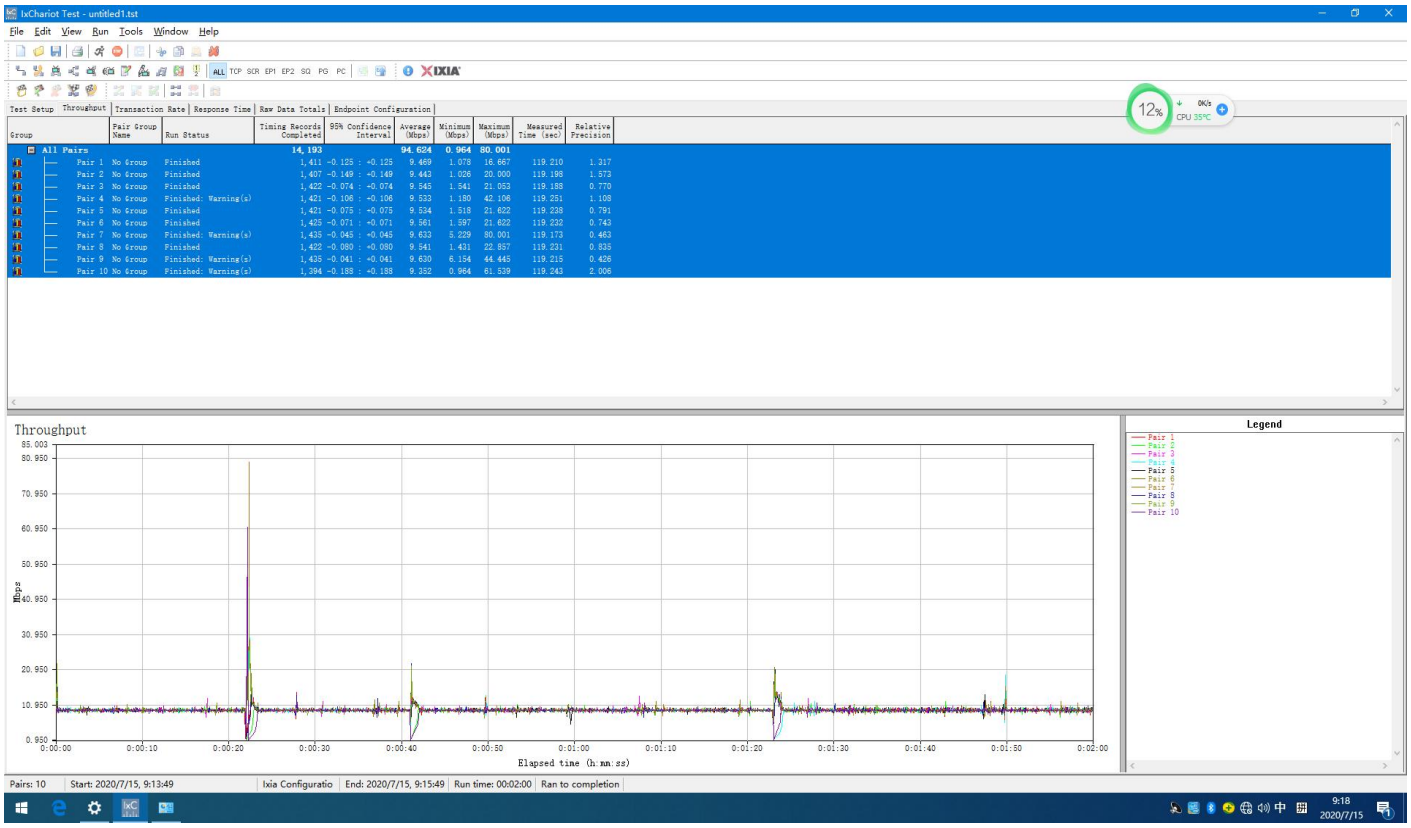
Application

Throughput Testing:

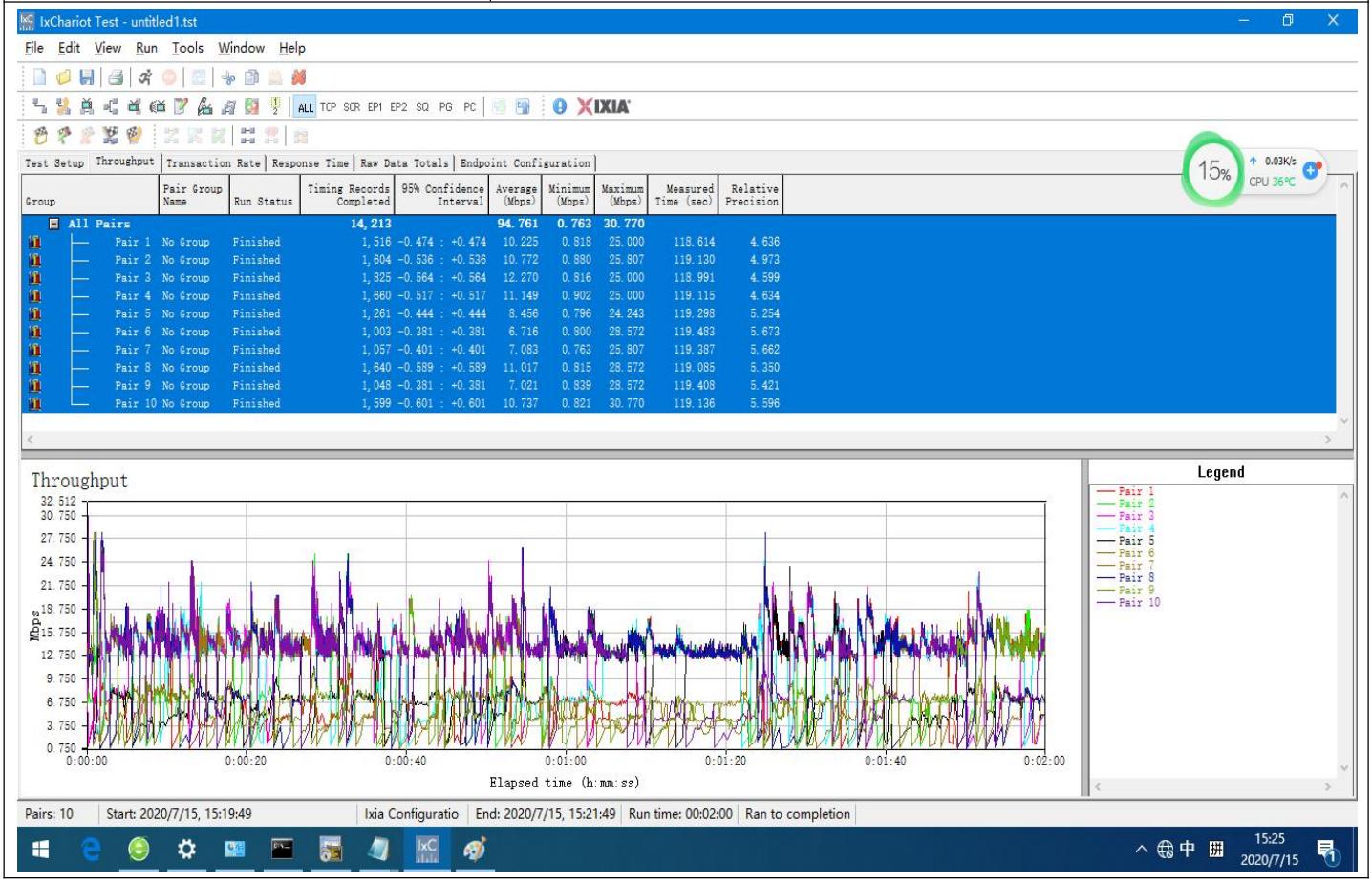
Mode	11AX HT40 (2.4G)
Upload Link	94.5Mbps



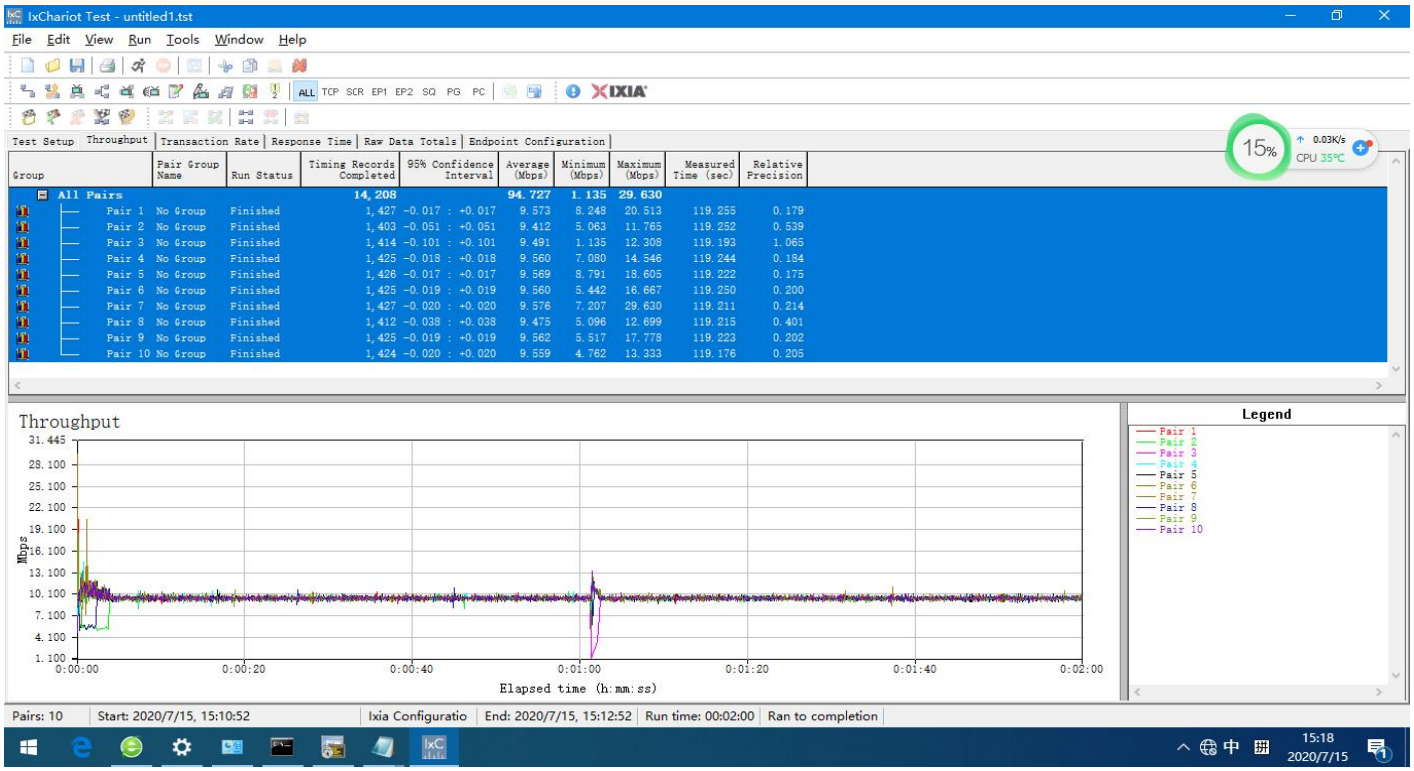
Download Link	94.6Mbps



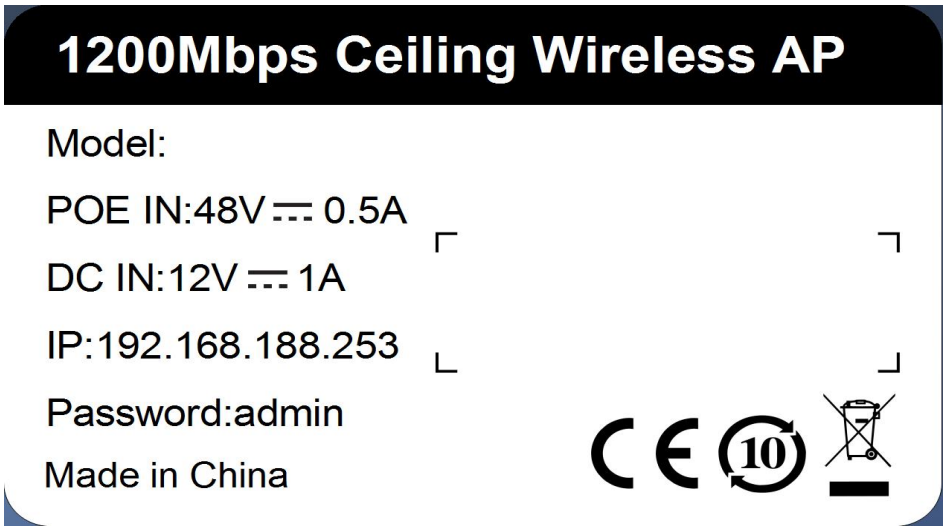
Mode:	11AX HT80 (5.8G)
Upload Link	94.7Mbps



Download Link	94.7Mbps



Accessory

AP	1
Lan cable	1
Mounting Accessories	1
Gift Box	1

Sticker and Packing box: