

WIFI-SOFT  
**DATASHEET**

**EN 330AC**  
**Access Point**

The Wifi-soft EN 330AC is an enterprise grade, cloud and controller managed, 3x3 Wave2 WLAN access point. The access point is especially designed to provide robust connectivity and best performance in wider coverage area. It operates in both 2.4 and 5 GHz concurrently and supports advanced 802.11ac and 802.11n technologies such as channel aggregation, beam forming, MU-MIMO etc. The EN 330AC provides total 1750 Mbps wireless link rate to support bandwidth hungry enterprise applications such as voice and video calling. The AP is PoE enabled and thus can be installed easily where power point is not readily available.



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WIFI-SOFT  
**EN 330AC**  
**Access Point**

**DATASHEET**

11ac 1750 Mbps Wave2  
Ceiling Wireless Access Point

# IDEAL DEPLOYMENT

EN 330AC  
ACCESS POINT



## Features

### High Data Rate of up to 1750 Mbps

WES 330AC access point supports total aggregated link speed of 1750 Mbps. It offers 450Mbps data rate in 2.4 GHz band 1300 Mbps data rate in 5 GHz band. Total aggregated data rate above 1Gbps helps in meeting overall throughput requirements of enterprise bandwidth hungry business applications.

### Enterprise security and guest access

Easy to use wireless security offers robust security to employee and guest access. Use of hardware based advanced encryption AES technology and WPA2/802.1x based authentication helps in quick implementation of robust security layer across enterprise wireless network.

### Multi User Multiple Input Multiple Output (MU-MIMO)

All WES series access points support multi-user multiple input and multiple output technology and thus allow efficient utilization of available RF spectrum for data download. It helps in increasing the overall concurrent number of users handled by an access point.

### Self-Configurable, Plug and Play

WES series access points are self-configurable and pure plug and play device. As soon as access point is powered on and connected to the enterprise wired network, it pulls it's configuration from cloud or controller appliance and become operational within few minutes.

### Remote Firmware Upgrade

All WES series enterprise access points come with remote firmware upgrade support. It allows system administrator to remotely push and upgrade latest software and firmware releases available without requiring physical access of the hardware.



## Hardware Features

IEEE Standard Supported

Supported Frequency Bands

Data Rate

Antenna

Ethernet Interface

Reset Button

Radio Operating

SSIDs

Max Concurrent Users

Power Input

LED Indicator

Size

Weight



## TECHNICAL SPECIFICATIONS



802.11 b/g/n/a/ac/i/e

2.4 GHz 802.11 b/g/n radio  
5 GHz 802.11 a/n/ac radio

1750 Mbps

Built-in 3dBi 2.4G MIMO Antenna  
Built-in 3dBi 5G MIMO Antenna

1 \* 10/100 /1000Mbps RJ45 WAN Port  
1 \* 10/100 / 1000Mbps RJ45 LAN Port

1 \* Reset button, press 15 seconds to revert to factory default setting

Modes Wireless AP, Gateway

Multiple SSID (4 SSID for 2.4GHz band, 4 SSID for 5 GHz band)

256

48V POE<30W, IEEE 802.3az compliant  
12V/2.5A DC input

Multi-color & multi function status indicator

198mm x 28mm

910 gram

## Software Features

WPA2-PSK, WPA2/802.1x Enterprise

Self-configurable

Auto, Manual

Auto, Manual

VLAN Based SSID support

Concurrently works in AP, Gateway and Hotspot modes  
External DHCP support for guest mode access RADIUS protocol based authentication support for guest access

Cloud or Controller Appliance

Remote

Wireless Security

Configuration

Channel Selection

Transmit Power Control

Virtual Network Support

Operating mode

Management

Firmware Upgrade

## RF Characteristics

					
Operating Frequency Bands	Supported frequency bands (country-specific restrictions apply): 2.412-2.484 GHz 5.150-5.250 GHz (UNII-1) 5.250-5.350 GHz (UNII-2) 5.470-5.600, 5.660-5.725 GHz (UNII-2e) 5.725 -5.825 GHz (UNII-3)				
Channel Width	20 and 40 MHz Channels in 802.11n mode, and 20, 40 and 80 MHz Channels in 802.11ac mode				
Advance RF Capabilities	3x3 Multiple Input and Multiple Output with three spatial streams Maximal Ratio Combining (MRC) and beam forming Frame and packet aggregation Single User MIMO (SU-MIMO) and Multiple User MIMO Support (MU-MIMO)				
Modulation	OFDM = BPSK,QPSK, 16-QAM, 64-QAM, 128-QAM, 256-QAM, DSSS = DBPSK, DQPSK, CCK				
2.4G RF Power	802.11b	11M	20 ± 2dBm	1M	22 ± 2dBm
	802.11g	54M	19 ± 2dBm	6M	21 ± 2dBm
	802.11n Ht20	MCS7	18 ± 2dBm	MCS0	20 ± 2dBm
	802.11n Ht40	MCS7	17 ± 2dBm	MCS0	19 ± 2dBm
5G RF Power	802.11b	54M	19 ± 2dBm	6M	21 ± 2dBm
	802.11g Ht20	MCS7	18 ± 2dBm	6M	20 ± 2dBm
	802.11n Ht40	MCS7	17 ± 2dBm	MCS0	19 ± 2dBm
	802.11n Ht80	MCS9	16 ± 2dBm	MCS0	18 ± 2dBm
2.4G RF Receive Sensitivity	802.11b	11M	-85dBm	1M	-94dBm
	802.11g	54M	-72dBm	6M	-90dBm
	802.11n Ht20	MCS7	-70dBm	MCS0	-88dBm
	802.11n Ht40	MCS7	-68dBm	MCS0	-88dBm
5G Receive Sensitivity	802.11b	54M	-72dBm	6M	-90dBm
	802.11g Ht20	54M	-70dBm	6M	-88dBm
	802.11n Ht40	MCS7	-68dBm	MCS0	-86dBm
	802.11n Ht80	MCS9	-58dBm	MCS0	-85dBm

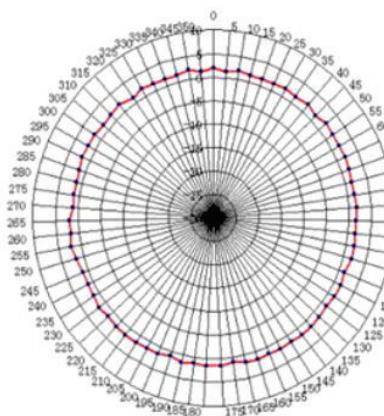
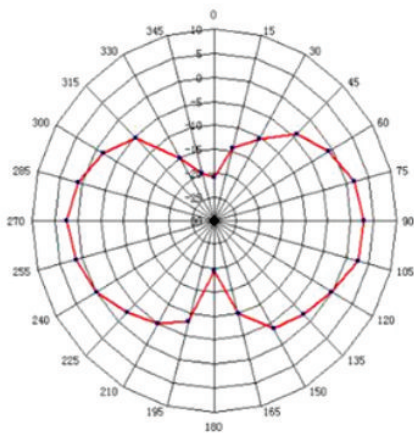
## Environment Characteristics



Operating Temperature (Normal)	-20~55 ℃
Working Temperature (Extreme)	-30~70 ℃
Storage Temperature	-40~70 ℃
Humidity	5%~95% non-condensing

## Antenna Radiation Pattern

Radiation Pattern for 2.4GHz Antenna



Radiation Pattern for 5 GHz Antenna

