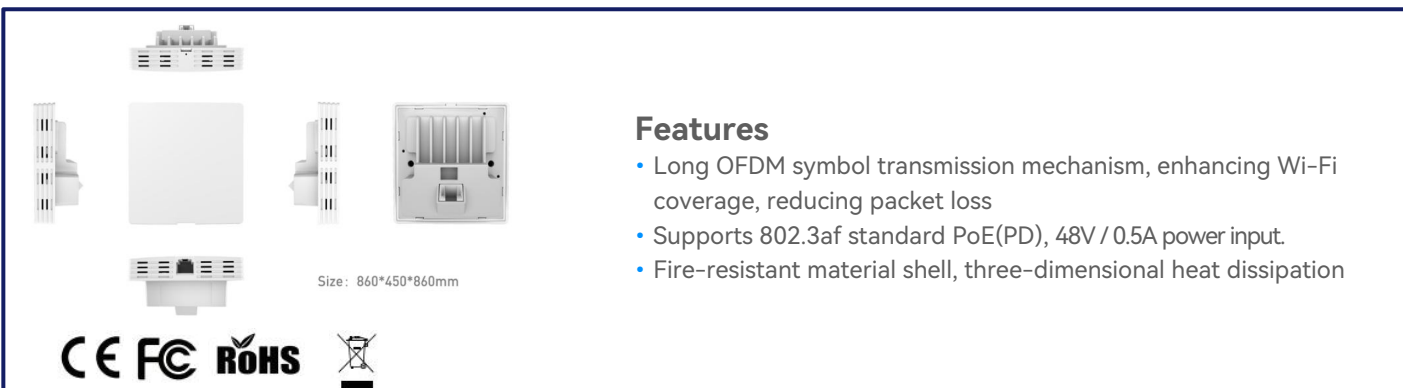


## Introduction

The JTW-3000W is a high-bandwidth, low-power consumption, ultra-thin 3000Mbps embedded dual-band wireless AP. It operates in the 2.4GHz and 5.8GHz frequency bands, supporting 802.11a/b/g/n/ac/ax protocols. This high-performance enterprise-level product utilizes 2T2R MIMO technology and is an excellent choice for wireless network deployments in various environments such as homes, hotels, villas, offices, and dormitories.



## Features

- Long OFDM symbol transmission mechanism, enhancing Wi-Fi coverage, reducing packet loss
- Supports 802.3af standard PoE(PD), 48V / 0.5A power input.
- Fire-resistant material shell, three-dimensional heat dissipation

## Specifications

| Items          |                         | JTW-3000W   |               |
|----------------|-------------------------|---|---------------|
| PORT           | Ports                   | 1*GE RJ45 WAN, 1*GE RJ45 LAN  |               |
|                | Flash memory            | 16MB Flash  |               |
| Hardware       | DDRIII capacity         | 128MB DDR3  |               |
|                | Reset button            | ≥3s: restore factory settings   |               |
| Button         | Power Input             | 48V / 0.5A, IEEE802.3af PoE(PD)   |               |
| Power supply   | LED                     | Power LED   |               |
|                | Dimension (Wx D x H) mm | 86*86*45  |               |
|                | Installation            | in wall   |               |
| Mechanical     | Wireless speed          | 802.11b: 1/2 / 5.5 / 11Mbps<br>802.11g: 6/9/12/18/24/36/48 / 54Mbps<br>802.11n: up to 300Mbps<br>802.11ac: up to 1200Mbps<br>802.11ax: up to 1800Mbps   |               |
|                | Antenna                 | Internal 2x2 2dBi omnidirectional FPC antenna   |               |
|                | Frequency band          | 2.4G:2.400~2.4835GHz    5.8G: 5.150GHz~5.850GHz   |               |
|                | Channel                 | 2.4G: 1~13    5.8G: 36,40,44,48,52,56,60,64,149,153,157,161,165   |               |
|                | RF POWER                | 2.4G: 802.11b(CCK): 19dBm±1dBm@11Mbps<br>802.11g(OFDM): 19dBm±1dBm@6Mbps; 16dBm±1dBm@54Mbps<br>802.11n(HT40): 19dBm±1dBm@MCS0; 16dBm±1dBm@MCS7<br>802.11AX(HE40): 19dBm±1dBm@MCS0; 16dBm±1dBm@MCS11<br>5.8G: 802.11a(BW20): 19dBm±1dBm@6Mbps; 16dBm±1dBm@54Mbps<br>802.11ac(VHT80): 19dBm±1dBm@MCS0; 16dBm±1dBm@MCS9<br>802.11ac(VHT160): 18dBm±1dBm@MCS0; 15dBm±2dBm@MCS9<br>802.11ax(HE80): 18dBm±1dBm@MCS0; 15dBm±1dBm@MCS11<br>802.11AX(HE160): 18dBm±1dBm@MCS0; 15dBm±1dBm@MCS11 |               |
|                | Modulation Type         | 802.11a/g/n/ac/ax: OFDM<br>802.11b: DSSS  |               |
|                | Receiver Sensitivity    | 2.4G: 802.11g: <-95dbm@ 6Mbps; <-77dbm@ 54Mbps<br>802.11n (HT40): ≤ -96dBm@MCS0; ≤ -65dBm@MCS11<br>802.11ac (VHT40): ≤ -96dBm@MCS0; ≤ -65dBm@MCS11<br>802.11ax (HE40): ≤ -96dBm@MCS0; ≤ -65dBm@MCS11<br>5.8G: 802.11a (BW20): ≤ -94dBm@6Mbps; ≤ -77dBm@54Mbps<br>802.11ac (VHT80): ≤ -88dBm@MCS0; ≤ -64dBm@MCS9<br>802.11ac (VHT160): ≤ -85dBm@MCS0; ≤ -60dBm@MCS9<br>802.11ax (HE80): ≤ -88dBm@MCS0; ≤ -57dBm@MCS11<br>802.11AX(HE160): ≤ -85dBm@MCS0; ≤ -54dBm@MCS11                |               |
|                | Frequency variation     | ±10ppm  |               |
|                | Environment             | Operating Temperature   | -10°C to 55°C |
|                |                         | Storage Temperature   | -40°C to 70°C |
| Humidity       |                         | 5% to 90%(non-condensing)   |               |
| Certifications | Certifications          | CE; FCC; RoHS   |               |

## Software Features

| Items           |                                   | JTW-3000W  |
|-----------------|-----------------------------------|--|
| <b>Features</b> | Work mode                         | Centralized AP mode (no setting required, plug and play) |
|                 | Maximum number of connected users | 64   |
|                 | IP address                        | Assign controller/DHCP/static IP                         |
|                 | Encryption                        | WPA-PSK/WPA2-PSK, WPA3-SAE, WPA3-SAE/WPA2-PSK2           |
|                 | System                            | Inbox, Outbox, Draft Box                                 |

## Order Information

| Model     | Description                            |
|-----------|--|
| JTW-3000W | 2-port (1*GE WAN, 1*GE LAN) In-Wall AP |

