

**Tenda**

**Wi-Fi 7**

**EE3 Pro**

BE3600 Whole Home Mesh Wi-Fi7 System

[www.tenda.cn.com](http://www.tenda.cn.com)



# EE3 Pro

## BE3600 Whole Home Mesh Wi-Fi7 System

The EE3 Pro is a BE3600 Whole Home Mesh Wi-Fi 7 System designed to provide high-speed internet service for large house. It creates a distributed network with multiple nodes throughout your home by Tenda Mesh technology. With 5 independent external FEMs and Xtra Range™ 2.0 technology, the EE3 Pro has strong signal coverage performance. Adopt the new generation Wi-Fi 7 (802.11BE) technology, dual-band concurrent rates up to 3570Mbps. Equipped with a 6nm Wi-Fi chip and 512MB of large memory, multiple terminal devices surfing the Internet at the same time, you can enjoy high-speed network, ultra-low latency gaming, ultra-smooth 8K video and VR HD applications. EE3 Pro is easy to install, just configure the master node and the sub-nodes can automatically form a network; unique NFC password-free function, simply requiring the visitor's phone to be close to the dedicated NFC sticker to connect to the Wi-Fi.

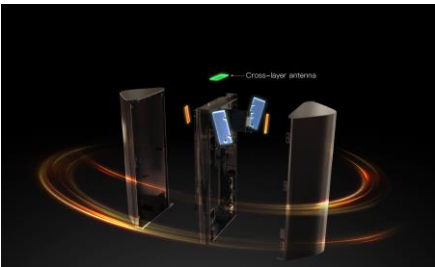
# Main Features

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## Ultra-fast Wi-Fi7 for the whole home Surpassing Wi-Fi6 in all aspects

Adopt the new generation Wi-Fi 7 technology, dual-band concurrent rate up to 3570Mbps. The unique Multi-Link Operation technology of Wi-Fi 7, dual-band simultaneous transmission is possible with Wi-Fi 7 terminal devices, the network speed is faster than the single-band transmission AX3000 and the network latency is lower.



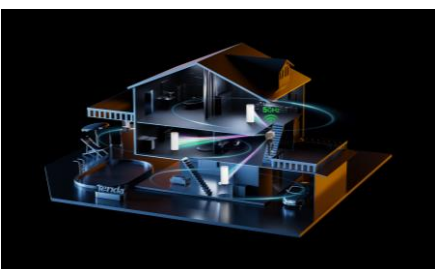
## Innovative intelligent five-antenna Better signal coverage across layers

Tenda innovates five-antenna AI positioning algorithm design, the location of the Internet terminal can be sensed, better coverage than four-antenna. One of them is a dedicated cross-layer antenna, Wi-Fi cross-layer coverage has stronger penetration. With 5 independent external FEMs, the three nodes network coverage without blind spots, beyond traditional four-antenna Mesh Wi-Fi.



## 6nm advanced process chip Stable coverage

EE3 Pro uses a 6nm advanced process chip with higher integration, lower power consumption and heat generation, significantly improves the stability of Wi-Fi signal transmission, smoother networking experience.



## Wireless access binding Always enjoy the best Wi-Fi

For ultra-fast Internet experience, the phone can lock onto the 5G band with faster network speed at each node of MB3 Pro, enjoy high-speed Internet experience wherever you go at home; TVs and cameras can lock onto the best network node, movies and surveillance videos are always clear and smooth.

# Specification

| Hardware Features  |                                                                                     |
|--------------------|-------------------------------------------------------------------------------------|
| Standard&Protocol  | IEEE802.3, IEEE802.3u,IEEE802.3ab                                                   |
| CPU                | Dual-Core 1GHz CPU                                                                  |
| RAM                | 512MB                                                                               |
| Interface          | 3 x GE ports per node                                                               |
| Antenna            | 5*3dBi Internal antennas                                                            |
| Button             | 1x Mesh Button, 1x Reset Button                                                     |
| Power              | Input: AC 100–240V, 50/60Hz<br>Output: DC 12V 2A                                    |
| LED indicator      | 1x Tri-color LED Indicator(Green, Yellow, Red)                                      |
| Dimensions         | 86*86*190mm(3.39*3.39*7.48 in)                                                      |
| Wireless Features  |                                                                                     |
| Wireless Standards | 5 GHz: IEEE 802.11be/ax/ac/n/a<br>2.4 GHz: IEEE 802.11be/ax/n/b/g                   |
| Frequency          | 2.4G & 5G                                                                           |
| Data Rate          | 5 GHz: 2882 Mbps (802.11be)<br>2.4 GHz: 688 Mbps (802.11be)                         |
| Transmission Power | CE:<br><20 dBm(2.4GHz)<br><23 dBm(5GHz)<br>FCC:<br><30 dBm(2.4GHz)<br><30 dBm(5GHz) |
| Basic Functions    | Beamforming<br>MU-MIMO<br>AP Steering<br>Band Steering<br>OFDMA<br>4K-QAM           |
| Wireless Security  | WPA2-PSK<br>WPA3-SAE/WPA2-PSK                                                       |

# Specification

| Software Function        |                                                                                                                                                 |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Internet Connection Type | PPPoE, Dynamic IP, Static IP<br>PPPoE(Russia), PPTP(Russia), L2TP(Russia)<br>Unify,Maxis,Maxis-special,Celcom,Digi                              |
| Network Protocol         | IPv4&IPv6                                                                                                                                       |
| Operating Mode           | Router Mode<br>AP Mode<br>Client+AP<br>WISP Mode                                                                                                |
| DHCP                     | DHCP Server<br>DHCP Client List                                                                                                                 |
| Parental Control         | Client Filter<br>URL Filter<br>Time Limit                                                                                                       |
| Virtual Server           | UPnP<br>Port Forwarding<br>DMZ Host                                                                                                             |
| Firewall                 | Forbid UDP Flood Attack<br>Forbid TCP Flood Attack<br>Forbid ICMP Flood Attack<br>Forbid WAN Ping from Internet                                 |
| DDNS                     | DynDNS, no-ip, oray, 88ip                                                                                                                       |
| VPN                      | PPTP Server<br>PPTP/L2TP Client                                                                                                                 |
| Special Features         | WPA3<br>TR069<br>Unify 2.4 GHz & 5 GHz<br>Smart LED on/off<br>Amazon Alexa<br>One-button Fault Diagnosis<br>WAN/LAN Port Auto-Negotiation       |
| Other Function           | IPTV<br>IPv6<br>Guest Network<br>System Log<br>Remote Web Management<br>MAC Clone<br>Backup & Restore configurations<br>Firmware upgrade online |

# Specification

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## Other Features

|                 |                                                                                                         |
|-----------------|---------------------------------------------------------------------------------------------------------|
| Certification   | CE, FCC, RoHS                                                                                           |
| Temperature     | Operating Temperature : 0°C~40°C<br>Storage Temperature : -40C ~70°C                                    |
| Humidity        | Operating Humidity : 10 %~90% RH non-condensing<br>Storage Humidity : 5 %~ 90%RH non-condensing         |
| Package Content | BE3600 Mesh*3<br>Power Adapters *3<br>Quick Installation Guide *1<br>Ethernet Cable *1<br>NFC Sticker*1 |

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