

PNET-APR3KM6

AX3000 AP Router & Mesh



802.11ax



Gigabit Ports



MU-MIMO



Easy Mesh

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More stable, Faster, Stronger, Broader, WIFI

Wi-Fi 6's BSS Color

BSS Color marks frames from neighboring networks, and therefore your Mesh can ignore them and only focus on your network tasks. Without extra work, your Mesh became much more efficient.

Beamforming

Focus wireless signal strength towards clients to expand Wi-Fi range.

1024-QAM, 10bits / Symbol

With the latest 1024-QAM, each symbol carries 10 bits, improving raw speeds by 25% compared to 802.11ac 256-QAM.

Greatly Reduce Lag

Providing smaller (but dedicated) sub-channels for multiple users simultaneously, the OFDMA mechanism can improve the average transmission rate per user. It is greatly reduced lag and queue.

Connect to More Devices Simultaneously

Wi-Fi 6's MU-MIMO works with both uploads and downloads. This means that there's more than enough bandwidth for everyone whatever you're doing online.

Reduce Power Consumption

Target Wake Time(TWT) increases the sleep time of the STA to reduce power consumption

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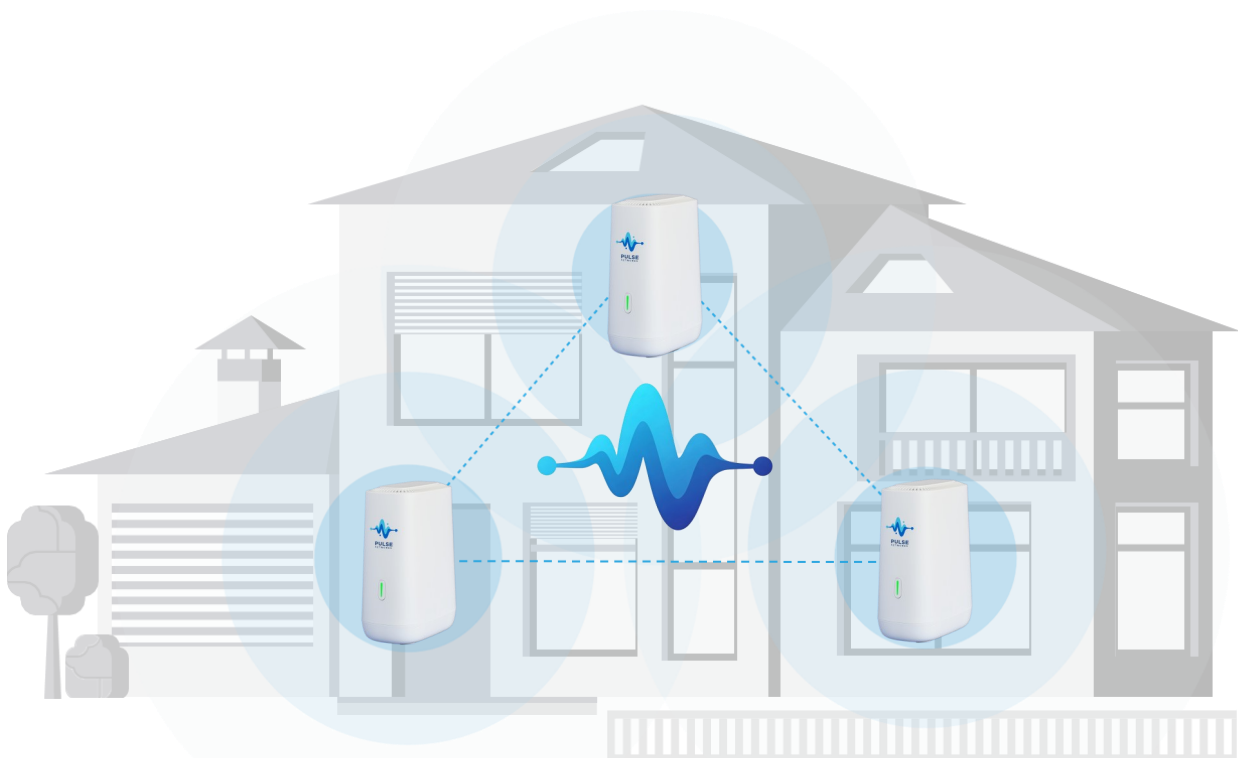


Outstanding Mesh Wi-Fi, Everywhere

- Form a Mesh network with your desired & qualified nodes.
- Excellent Wi-Fi 6 Speed up to 3000 Mbps
- Larger system capacity

Seamless Roaming with One Wi-Fi Name

Roam seamlessly from room to room without ever dropping your Wi-Fi signal, and all you need is the unified Wi-Fi name and password to connect.



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Main Features



Security.

Ensure a safe Internet environment.

Firewall Protect your network devices from baleful attack.

Blacklist Add specific devices to blacklist to protect your network from unauthorized devices.

WPA 3 With more secure encryption in Wi-Fi password safety and stronger protection against brute-force attacks, WPA 3 secures your Wi-Fi.



Stay Online

Guarantee a fast Wi-Fi continuously

Adaptive Path Selection It will auto-choose the optimal route dynamically for connections and applications in Mesh network, ensuring a stable network no matter where you are in the home.

Self-Healing If one MX3000E has an issue, the system will automatically reroute data via the other nodes to make sure you stay online.



Discretionary Network

Work with "same family" nodes supported easy

By adding more qualified nodes to form a broader Mesh network anytime.



Easy Setup

Set up all nodes with the best place spot easily.

Auto Networking Once you configure the primary Mesh node, the other pre-paired nodes can automatically connect to the primary Mesh node and become "Plug and Play" devices.

Intelligent Indicator Find & identify a suitable location for your nodes simply.



Quality of Service

Make priority for better performance when needed.

For Devices Prioritize the devices that need the fastest internet connection.

For Applications Prioritize the online activity that is most important to everyone.



Design

Minimalist and comfortable.

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Technical Specifications

General

Wireless Standards: Wi-Fi6

IEEE802.11ax/ac/n/a 5 GHz

IEEE802.11ax/n/b/g 2.4 GHz

Mesh Protocol:

IEEE802.11k/v/r

IEEE1905.1

Data rates:

5Ghz: 2402 Mbps (802.11ax)

2.4Ghz:: 574 Mbps (802.11ax)

Operating Frequencies: 2.4Ghz & 5Ghz.

Wireless Security:

WPA1/WPA2, WPA2, WPA3, WPA3-192-bit,
WPA-PSK/WPA2-PSK, WPA2-PSK/WPA3-PSK

Hardware

Interfaces:

1 x 10/100/1000 Mbps WAN port.

2 x 10/100/1000 Mbps LAN ports.

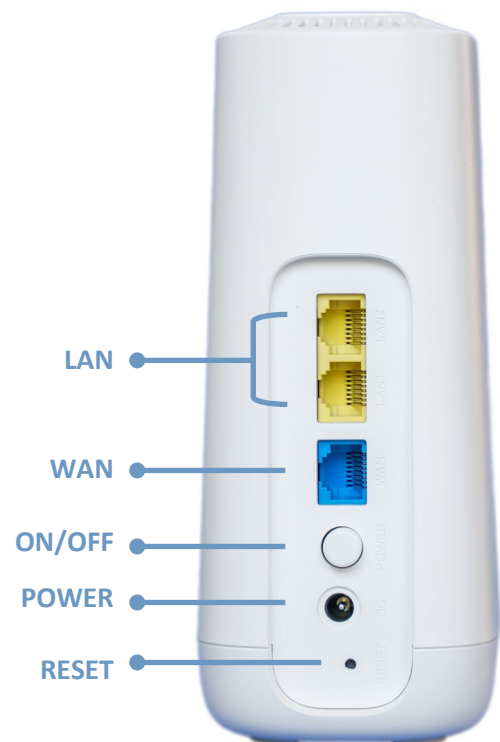
WPS Button,

RESET Button

Power supply: DC 12V 1A

Antenna: 5 x 3dBi Internal Antennas

Dimension: 104 x 74 x 154 mm



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Technical Specifications

Software Features

- WAN Type:** Dynamic IP/Static IP/PPPoE
- DHCP:** Server, DHCP Reservation, Static Route
- Quality of Service:** Download/ Upload Speed control
- Port Forwarding:** Virtual Server, Port Triggering, UPnP, DMZ

- VPN:** PPTP, L2TP, IPsec
- Access Control:** URL Filter
- Firewall Security:** DoS, SPI Firewall, Port Filter
- Management:** Access Control
- Local Management Remote Management**
- Internet Protocol:** IPv4,IPv6

- Samba:** Support

- NTP:** Support
- OFDMA:** Support
- MU-MIMO:** Support

Environment

- Operating Temperature**
0°C ~ 40°C (32°F ~ 104°F)
- Storage Temperature**
-40°C ~ 70°C (-40°F ~ 158°F)
- Relative Humidity**
10% ~ 90%/o, non-condensing
- Storage Humidity**
5% ~ 95%/o, non-condensing