





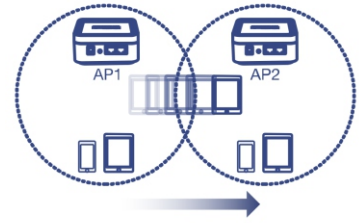
### Mesh Made Simple

The mesh WiFi system uses an intuitive app-based installation process, making setup a breeze with our TRENDnet MESHnet app.



### Easy WPS Push Button Expansion

To expand coverage easily, add more EasyMesh nodes to the system by using the convenient WPS push button sync method.



### Seamless Smart WiFi Roaming

All EasyMesh nodes provide seamless roaming capabilities, while calculating and providing optimum signal coverage to connected clients.

## NETWORKING SOLUTION



## FEATURES

**Mesh Made Simple**

The mesh WiFi system uses an intuitive app-based installation process, making setup a breeze with the TRENDnet MESHnet mobile app

**Whole Home WiFi Coverage**

The AC1200 Dual Band WiFi EasyMesh Node provides ample coverage for up to a 1500 square foot area. For larger homes, simply add additional AC1200 WiFi EasyMesh Nodes (TEW-832MDR) to the system for expanded WiFi coverage

**Seamless Smart WiFi Roaming**

All EasyMesh nodes broadcast a single WiFi SSID that provides seamless roaming capabilities. The system intelligently calculates wireless roaming parameters, and dynamically adjusts in real time to provide optimum signal coverage to connected clients

**Easy WPS Push Button Expansion**

To expand coverage easily, add more AC1200 WiFi EasyMesh Nodes (TEW-832MDR) to the system by using the convenient WPS push button sync method

**Band Steering**

With band steering technology, the mesh WiFi system alleviates network congestion by automatically balancing client connections between the 2.4GHz and 5GHz bands

**Auto Optimizing**

Detects and selects the best path to send data traffic to the desired destination, and provides better resilience to node failures

**Targeted Beamforming**

Beamforming increases real-time performance by directing stronger wireless signals to your specific location. Beamforming improves wireless range, reception, and throughput

**Monitor Mesh Signal Status**

The TRENDnet MESHnet mobile app allows you to monitor each WiFi mesh node's mesh signal status

**Intelligent Self-healing Mesh**

The EasyMesh node detects any mesh node disconnections and intelligently takes action to remedy the issue

**Parental Controls**

Limit access to specific websites, and control access to the network for connected devices

**Guest Network**

Create an isolated WiFi network for guest internet access

**LED Signal Indicator**

LED signal indicator helps in locating an EasyMesh node by showing mesh signal quality in real-time

**Gigabit Ports**

1 x Gigabit WAN Port, 1 x Gigabit LAN Port

**IPv6**

Mesh WiFi system supports IPv6 network

## SPECIFICATIONS

### Standards

- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3x
- IEEE 802.3ab
- IEEE 802.11a
- IEEE 802.11b
- IEEE 802.11g
- IEEE 802.11n (up to 300Mbps)\*
- IEEE 802.11ac (up to 867Mbps)\*
- WiFi EasyMesh R1

### Device Interface

- 2 x Gigabit Ethernet ports (LAN/WAN or 2x LAN)
- WPS/Reset button
- LED indicators

### Special Features

- Multi-User MIMO for increased bandwidth efficiency and better user experience\*
- Seamless WiFi roaming
- IPv6 support
- Implicit/Explicit Beamforming
- Band Steering

### Access Control

- WiFi encryption: WPA/WPA2-PSK AES
- WiFi Guest network
- Hide WiFi Name/SSID
- Wireless client isolation
- NAT
- Port forwarding
- DMZ host
- UPnP
- DoS prevention
- Allow/deny WAN ping requests
- Parental controls (Set schedules for Internet access or filter by custom websites)

### Quality of Service

- Set client device priority (Normal/High priority)
- WMM

### Management/Monitoring

- IOS and Android App based management
- Internal system logging
- Manual or online auto firmware upgrade
- Mesh Connection quality display
- Client device list
- Internet speed test
- Router/AP operation modes

### Frequency

- 2.4000 – 2.4835GHz (Industrial Scientific Medical Band)
- 5.150 – 5.825GHz (subject to local regulations)

### Modulation

- 802.11b: CCK, DQPSK, DBPSK
- 802.11a/g: OFDM with BPSK, QPSK and 16/64-QAM
- 802.11n: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM with OFDM
- 802.11ac: OFDM with BPSK, QPSK and 16/64/256-QAM

### Media Access Protocol

- CSMA/CA with ACK

### Antenna Gain

- 2 x 4.2 dBi Internal Antenna

### Receiving Sensitivity

- 802.11a: -67 dBm (typical) @ 54Mbps
- 802.11b: -79 dBm (typical) @ 11Mbps
- 802.11g: -67 dBm (typical) @ 54Mbps
- 802.11n (2.4GHz, 20MHz): -66 dBm (typical) @ 300Mbps
- 802.11n (2.4GHz, 40MHz): -63 dBm (typical) @ 300Mbps
- 802.11n (5GHz, 20MHz): -67 dBm (typical) @ 867Mbps
- 802.11n (5GHz, 40MHz): -65 dBm (typical) @ 867Mbps
- 802.11ac: -56 dBm (typical) @ 867Mbps

### Wireless Channels

- 2.4GHz: FCC: 1–11, ETSI: 1-13
- 5GHz: FCC: 36, 40, 44, 48, 149, 153, 157, 161, 165, ETSI: 36, 40, 44, 48

### Power

- Input: 100 – 240V AC, 50 – 60Hz, 1A
- Output: 12V DC, 1A external power adapter
- Max. Consumption: 4.63 W

### Operating Temperature

- 0° – 40° C (32° – 104° F)

### Operating Humidity

- Max. 90% non-condensing

### Certifications

- CE
- FCC

### Dimensions (L x W x H)

- 95 x 95 x 50mm (3.75 x 3.75 x 1.97 in.)

### Weight

- Each unit :116g (4.1 oz)

### Warranty

- 3 year

### Package Contents

- 1 x TEW-832MDR (Remote Node)
- Quick Installation Guide
- 1 x Power adapter (12V DC, 1A)
- Wall Mount Screws