



AC1200 Dual Band WiFi EasyMesh Remote Node

TEW-832MDR (v1.0R)

- AC1200: 5GHz: 867Mbps WiFi AC | 2.4GHz: 300Mbps WiFi N
- WiFi Alliance EasyMesh Certified
- Auto Optimizing WiFi
- Designed to replace older WiFi routers, extenders, and signal boosters
- Intelligent WiFi mesh technology connects users to the best WiFi EasyMesh Node
- Add additional AC1200 EasyMesh Nodes to the system for expanded WiFi coverage in larger home applications
- Airtime fairness balances wireless client bandwidth resources
- LAN/WAN IPv6 support
- Multi-User MIMO for increased bandwidth efficiency and better user experience*
- Seamless Smart WiFi roaming
- Implicit/Explicit Beamforming

TRENDnet's AC1200 Dual Band WiFi EasyMesh Remote Node is designed for use with your existing TRENDnet EasyMesh WiFi system to further expand your home or small office's WiFi coverage. The mesh WiFi node provides ample, additional coverage of up to a 1500 square feet. For larger homes and offices, simply add additional TRENDnet mesh nodes (TEW-832MDR) to the system for expanded WiFi coverage.

The mesh WiFi system uses an intuitive app-based installation process, making setup a breeze with the free TRENDnet MESHnet mobile app. In minutes, you'll have your home WiFi system up and running providing whole home WiFi coverage.



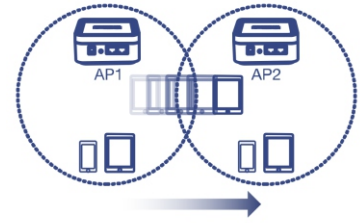
Mesh Made Simple

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

All references to speed are for comparison purposes only. Product specifications, size, and shape are subject to change without notice, and actual product appearance may differ from that depicted herein.