

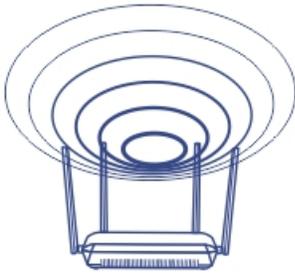


AC2600 MU-MIMO WiFi Router

TEW-827DRU (v2.0R)

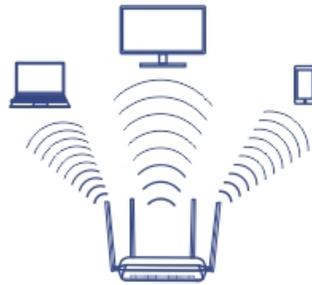
- Quad-stream AC2600: 1733Mbps WiFi AC + 800Mbps WiFi N bands
- MU-MIMO boosts performance in a busy home
- Pre-encrypted WiFi for your convenience
- 4 x Gigabit ports
- USB 3.0 share port
- Four external high gain antennas

TRENDnet's AC2600 MU-MIMO WiFi Router, model TEW-827DRU, is built to perform in a busy connected home. It generates two quad-stream WiFi networks—a 1,733Mbps WiFi AC and a concurrent 800Mbps WiFi N network. MU-MIMO technology processes multiple data streams simultaneously, increasing real-time WiFi performance when multiple devices access the network. Use the gigabit Ethernet ports and USB 3.0 share port to further extend network connectivity.



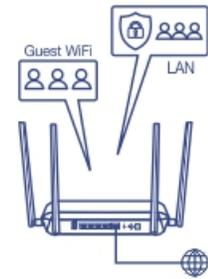
High Performance WiFi

Concurrent quad-stream WiFi networks and gigabit ports seamlessly network connected devices and high bandwidth streams such as 4K video.



Built For Busy Homes

MU-MIMO technology processes multiple data streams simultaneously, increasing real-time WiFi performance when multiple devices access the network.



WiFi Guest Network

Create an isolated network for guest internet access only.

Networking Solution





Easy Setup

Get up and running in minutes with the intuitive guided setup



AC2600 WiFi

Concurrent dual band, quad-stream 1,733Mbps WiFi AC + 800Mbps WiFi N bands



MU-MIMO Performance

MU-MIMO technology enables the router to process multiple data streams simultaneously—with so many connected devices in today's home, MU-MIMO increases real-time WiFi performance



Pre-Encrypted Wireless

For added convenience the WiFi is pre-encrypted with its own unique password



Wireless Coverage

External high gain antennas maximize wireless coverage



Gigabit Ports

Four gigabit ports support high performance wired connections



USB 3.0 Share Port

Share content across the network with the USB 3.0 share port



Guest Network

Create an isolated WiFi network for guest internet access only



Parental Controls

Limit access to specific websites and control connected device access to the network



Targeted Beamforming

Beamforming increases real-time performance by directing stronger wireless signals to your specific location



File Sharing Support

Management controls to optimize BitTorrent sharing, iTunes server streams, and Samba (SMB) clients

Specifications

Standards

- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3x
- IEEE 802.3ab
- IEEE 802.3az
- IEEE 802.11a
- IEEE 802.11b
- IEEE 802.11g
- IEEE 802.11n (up to 800 Mbps @ 256QAM)*
- IEEE 802.11ac (up to 1733 Mbps)*

Hardware Interface

- 4 x Gigabit LAN ports
- 1 x Gigabit WAN port
- 1 x USB 3.0 (Storage FTP, Samba, iTunes® Media Server, BitTorrent Client)
- Power switch
- WPS button
- Reset button
- LED indicators

Special Features

- Multi-User MIMO for increased bandwidth efficiency and better user experience*
- Multi-Language interface: English, French, Spanish, German, Russian, Portuguese
- Pre-encrypted wireless network
- IPv6 support
- 1 guest network per band with option for internet access only
- Up to 2 additional SSIDs per band
- Dynamic DNS support for dyn.com, no-ip.com, and easydns.com
- Samba/FTP server support
- Explicit Beamforming

Access Control

- Wireless encryption up to WEP, WPA/WPA2-PSK, WPA/WPA2-RADIUS
- Firewall: NAT, SPI, Virtual Server, Special Applications, Gaming, DMZ Host, allow/deny ping request from internet
- ALG: PPTP/L2TP/IPsec VPN Passthrough, TFTP/FTP/RTSP/SIP/H.323 Passthrough
- Parental (Access) Controls: MAC, URL, IP Filter

Quality of Service

- WMM

Internet Connection Types

- Dynamic IP (DHCP)
- Static IP (Fixed)
- PPPoE (Dynamic IP/Static IP)
- PPTP (Dynamic IP/Static IP)
- L2TP (Dynamic IP/Static IP)
- Russia PPPoE (Dynamic IP/Static IP)
- Russia PPTP (Dynamic IP/Static IP)
- Russia L2TP (Dynamic IP/Static IP)
- IPv6 (Static, Auto-configuration (SLAAC/DHCPv6), Link-Local, PPPoE, 6to4)

Management/Monitoring

- Local/remote web based management
- Upgrade firmware
- Backup/restore configuration
- Internal logging
- Reboot & scheduled automatic reboot
- Ping watchdog
- Restore to factory defaults
- Ping test

Routing

- Static
- Dynamic (RIP v1/2)

Frequency

- 2.412 - 2.472 GHz
- 5.180 - 5.825 GHz

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 with OFDM
- 802.11ac: OFDM with BPSK, QPSK and 16/64/256-QAM

Media Access Protocol

- CSMA/CA with ACK

Antenna Gain

- 2.4 GHz: 4 x 3 dBi (max.) detachable/external; 5 GHz: 4 x 5 dBi

Wireless Output Power (max output power without antenna gain)

- 802.11a: FCC: 26 dBm (max.) / ETSI: 22 dBm (max.) / IC: 26 dBm (max.)
- 802.11b: FCC: 27 dBm (max.) / ETSI: 15 dBm (max.) / IC: 27 dBm (max.)

- 802.11g: FCC: 25 dBm (max.) / ETSI: 16 dBm (max.) / IC: 25 dBm (max.)
- 802.11n (2.4 GHz): FCC: 25 dBm (max.) / ETSI: 16 dBm (max.) / IC: 25 dBm (max.)
- 802.11n (5 GHz): FCC: 25 dBm (max.) / ETSI: 23 dBm (max.) / IC: 25 dBm (max.)
- 802.11ac: FCC: 25 dBm (max.) / ETSI: 24 dBm (max.) / IC: 25 dBm (max.)

Receiving Sensitivity (per chain)

- 802.11a: -70 dBm (typical) @ 54 Mbps
- 802.11b: -83 dBm (typical) @ 11 Mbps
- 802.11g: -70 dBm (typical) @ 54 Mbps
- 802.11n (2.4 GHz): -59 dBm (typical) @ 800 Mbps
- 802.11n (5 GHz): -59 dBm (typical) @ 800 Mbps
- 802.11ac: -55 dBm (typical) @ 1733 Mbps

Wireless Channels

- 2.4 GHz: FCC: 1-11; ETSI: 1-13
- 5 GHz: FCC: 36, 40, 44, 48, 149, 153, 157, 161, 165; ETSI: 36, 40, 44, 48, (52, 56, 60, 64, 100, 104, 108, 112, 116, 132, 136, 140)**

Power

- Input: 100 - 240 V AC, 50 - 60 Hz
- Output: 12V DC, 1.5A external power adapter
- Consumption: 17.4W (max.)

Operating Temperature

- 0 - 40 °C (32 - 104 °F)

Operating Humidity

- Max. 95% non-condensing

Certifications

- CE
- FCC
- IC

Dimensions

- 250 x 180 x 45 mm (9.8 x 7.1 x 1.8 in.)

Weight

- 612 g (21.6 oz.)

Warranty

- 3 year

Package Contents

- TEW-827DRU
- Quick Installation Guide
- CD-ROM (User's Guide)
- 4 x Detachable high gain antennas
- Network cable (1.5 m/5 ft.)
- Power adapter (12V DC, 1.5 A)

*Maximum wireless signal rates are referenced from IEEE 802.11 theoretical specifications. Actual data throughput and coverage will vary depending on interference, network traffic, building materials and other conditions. For maximum performance of up to 1.733 Gbps use with a 1.733 Gbps 802.11ac wireless adapter. For maximum performance of up to 800 Mbps, use with an 800 Mbps 802.11n wireless adapter. Multi-User MIMO (MU-MIMO) requires the use of multiple MU-MIMO enabled wireless adapters.

**Due to regulatory requirements, the wireless channels specified cannot be statically assigned, but will be available within the available wireless channels when set to auto.