AC2600 StreamBoost™ MU-MIMO WiFi Router
TEW-827DRU (v1.0R)

- Quad-stream AC2600: 1733 Mbps WiFi AC + 800 Mbps WiFi N bands
- MU-MIMO boosts performance in a busy home
- StreamBoost™ Low latency gaming/voice prioritization
- High performance 1.4 GHz dual-core processor
- Pre-encrypted WiFi for your convenience
- All Gigabit wired ports
- USB 3.0 share ports
- Detachable high gain antennas

TRENDnet's AC2600 StreamBoost™ MU-MIMO WiFi Router, model TEW-827DRU, is built to perform in a busy connected home. It generates two extreme quad-stream WiFi networks—a 1,733 Mbps WiFi AC and a concurrent 800 Mbps WiFi N network. MU-MIMO technology processes multiple data streams simultaneously, increasing real-time WiFi performance when multiple devices access the network. Qualcomm® StreamBoost™ technology prioritizes low latency gaming and voice streams, shapes network traffic to optimize each connected experience, and graphically displays all connected device/app traffic. Use the Gigabit Ethernet ports and USB 3.0 share ports to further extend an extreme performance home network.

Extreme WiFi
Concurrent quad-stream WiFi networks and all Gigabit ports seamlessly network connected devices and high bandwidth streams such as 4K video.
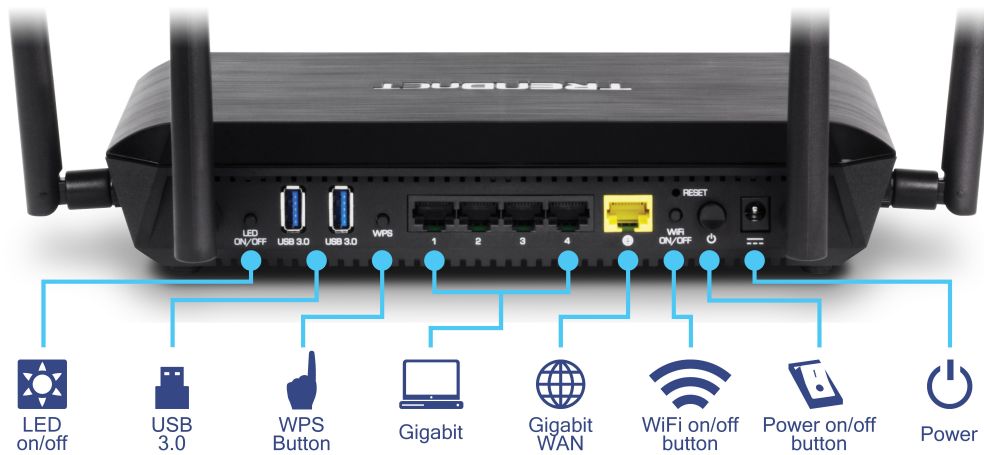
Built For Busy Homes
MU-MIMO technology processes multiple data streams simultaneously, increasing real-time WiFi performance when multiple devices access the network.

Optimized Gaming
StreamBoost™ minimizes latency for gaming, video, and voice streams to eliminate stutter and lag caused by high bandwidth traffic such as torrents.

| LED on/off | USB 3.0 | WPS Button | Gigabit | Gigabit WAN | WiFi on/off button | Power on/off button | Power |

Networking Solution

4K HD movies

HD gaming

Music

Wireless AC
1133 Mbps

800 Mbps
Wireless N

Surfing

Web chat

E-mail

TRENDnet®

Easy Setup
Get up and running in minutes with the intuitive guided setup

AC2600 WiFi
Concurrent dual band quad-stream 1,733 Mbps WiFi AC + 800 Mbps WiFi N bands

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

Qualcomm® StreamBoost™ Latency Prioritization
StreamBoost™ prioritizes latency for gaming and voice streams to eliminate stutter or lag caused by other high bandwidth network traffic such as torrent downloads

Qualcomm® StreamBoost™ Traffic Shaping
StreamBoost™ intelligently allocates the optimal amount of bandwidth for each individual device/application and users can manually assign device priority

Qualcomm® StreamBoost™ Device/Traffic Mapping
See all connected network devices/applications and their respective real-time network usage and review historical usage data

Pre-Encrypted Wireless
For your convenience the WiFi is pre-encrypted with its own unique password

Wireless Coverage
High performance amplifiers and detachable external high gain antennas maximize wireless coverage

Gigabit Ports
Gigabit ports support high performance wired connections

USB 3.0 Share Ports
Share content across the network with the 5 Gbps USB 3.0 share ports

Guest Network
Create an isolated network for guest internet access only

Parental Controls
Control access to specific websites and control connected device access to the network

One Touch Connection
Connect to the router at the touch of the Wi-Fi Protected Setup (WPS) button

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

Backward Compatible
Compatible with legacy wireless devices

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

TRENDNET®

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)*
- IEEE 802.11ac (up to 1733 Mbps)*

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

Special Features
- StreamBoost™ automatically identifies and classifies network traffic to maximize bandwidth and speed***
- Multi-User MIMO for increased bandwidth efficiency and better user experience*
- Multi-Language interface: English, French, Spanish, German, Russian
- 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
- Implicit and 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
- StreamBoost™ Traffic Shaping***

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
- 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: 29 dBm (max.) / IC: 26 dBm (max.) @ 54 Mbps
- 802.11b: FCC: 27 dBm (max.) / ETSI: 14 dBm (max.) / IC: 27 dBm (max.) @ 11 Mbps
- 802.11g: FCC: 29 dBm (max.) / ETSI: 16 dBm (max.) / IC: 29 dBm (max.) @ 54 Mbps
- 802.11n (2.4 GHz): FCC: 29 dBm (max.) / ETSI: 16 dBm (max.) / IC: 29 dBm (max.) @ 800 Mbps
- 802.11n (5 GHz): FCC: 27 dBm (max.) / ETSI: 28 dBm (max.) / IC: 26 dBm (max.) @ 800 Mbps
- 802.11ac: FCC: 27 dBm (max.) / ETSI: 28 dBm (max.) / IC: 26 dBm (max.) @ 1733 Mbps

Receiving Sensitivity
- 802.11a: -68 dBm (typical) @ 54 Mbps
- 802.11b: -83 dBm (typical) @ 11 Mbps
- 802.11g: -70 dBm (typical) @ 54 Mbps
- 802.11n (2.4 GHz): -64 dBm (typical) @ 800 Mbps
- 802.11n (5 GHz): -68 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, 1 A
- Output: 12V DC, 3 A external power adapter
- Consumption: 31 Watts max.

Operating Temperature
- 0 – 40 °C (32 – 104 °F)

Operating Humidity
- Max. 95% non-condensing

Certifications
- CE
- FCC

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

Weight
- 752 g (26.5 oz.)

Warranty
- 3 year limited

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, 3 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.

***Qualcomm® StreamBoost™ is a trademark of Qualcomm Atheros, Inc.