



## TEW-827DRU (V1.0R)

### SETUP INFO

UPC #	710931160727
Master Carton UPC #	10710931160724
Product Page	<a href="http://www.trendnet.com/products/proddetail.asp?prod=100_TEW-827DRU">http://www.trendnet.com/products/proddetail.asp?prod=100_TEW-827DRU</a>
Additional Images	<a href="http://www.trendnet.com/support/supportdetail.asp?prod=100_TEW-827DRU">http://www.trendnet.com/support/supportdetail.asp?prod=100_TEW-827DRU</a>
Alternate Product Name	AC2600 StreamBoost™ WiFi Gaming Router with MU-MIMO, Gigabit, USB 3.0 ports, IEEE 802.11ac, 4 x 4 quad-stream dual band, beamforming
Key Search Words	Wifi router, router, wireless router, dual band router, wifi ac router, 802.11ac, best wireless router, best wifi router, wifi ac, wireless ac, ac router, wireless ac router, wireless ac2600, wifi ac2600, dual band router, gigabit router, dual band wireless router, dual band wifi router, ac router, dual band wifi, fastest router, gaming router, wifi ac gaming router, 1733 Mbps AC, AC2600, AC 2600, N800, WPS, 802.11n, 802.11ac, 2.4 GHz, 5 GHz, UPnP, wireless n, wireless ac, WiFi AC, beamforming, Gigabit, 10/100/1000 Mbps, QoS, WMM, router, wireless router, gaming, USB 3.0, amplifier, high gain antennas, share port, VPN, FTP server, Qualcomm StreamBoost, Low latency, StreamBoost, traffic shaping, device application network mapping
Unit Dimensions	27 x 23 x 11 cm (11 x 10 x 5 in.)
Unit Weight	1.88 kg (4.40 lbs.)
Unit Qty per Case	10
Case Dimension	59 x 25 x 58 cm (24 x 10 x 23 in.)
Case Weight	17.11 kg (40 lbs.)
Harmonized Tarriff Code	8517620050
ECCN	5A992
Country of Origin	China
Product Availability Date	December 2015
Warranty	3 year limited
MSRP	\$274.99





## 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.



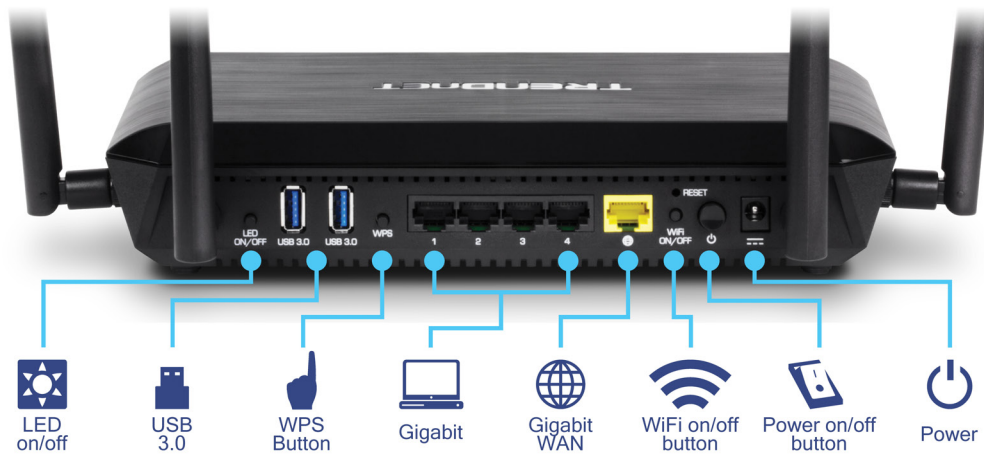
### Built For Busy Homes

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.



## Networking Solution

4K HD movies



HD gaming



Music



Surfing



Web chat



E-mail



## 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 process 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

Securely 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

## 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.) @ 54 Mbps
- 802.11b: FCC: 27 dBm (max.) / ETSI: 14 dBm (max.) @ 11 Mbps

- 802.11g: FCC: 29 dBm (max.) / ETSI: 16 dBm (max.) @ 54 Mbps
- 802.11n (2.4 GHz): FCC: 29 dBm (max.) / ETSI: 16 dBm (max.) @ 800 Mbps
- 802.11n (5 GHz): FCC: 27 dBm (max.) / ETSI: 28 dBm (max.) @ 800 Mbps
- 802.11ac: FCC: 21 dBm (max.) / ETSI: 23 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.

