EDIMAX
NETWORKING PEOPLE TOGETHER

AC1750
11ac High Speed

Beamforming

3T3R
High Performance (3T3R)

Foldaway Antenna

Mac® OS X® Compatible
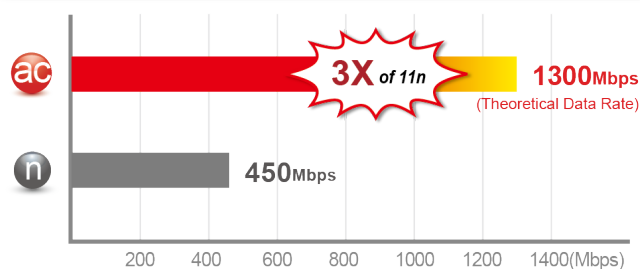Mac ® OS X® Compatible

EW-7833UAC

USB 3.0

AC1750 Dual-Band Wi-Fi USB 3.0 Adapter with 180° Adjustable Antenna

Super-speed 802.11ac dual-band routers are on the market but wireless devices are still stuck with 802.11n technology. Upgrade your wireless device to dual-band 802.11ac with the fastest possible USB 3.0 connectivity for blistering Wi-Fi speeds on the interference free 5Ghz frequency band. The EW-7833UAC's high performance 3T3R MIMO technology provides super-high speeds up to 1300Mbps and is backwards compatible with 802.11a/b/g/n wireless devices.
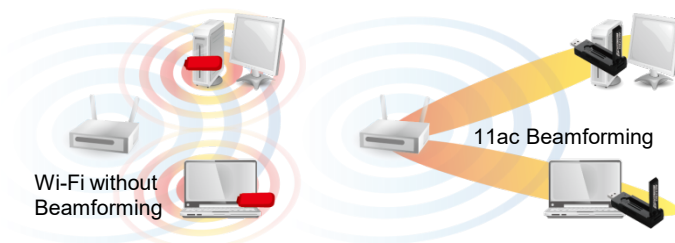
Easily Upgrade to Fastest 11ac Wi-Fi
Compatible with the 802.11ac standard and delivering speeds of up to 1300Mbps at 5GHz - almost three times as fast as 802.11n together with USB 3.0 connectivity. Upgrade PC's and notebooks to super high speed 802.11ac Wi-Fi and enjoy streaming video and data at lightning speeds.

Maximum Speed: Next Generation 802.11ac vs. 802.11n

ac — **3X** of 11n — **1300**Mbps (Theoretical Data Rate)

n — **450**Mbps

200 400 600 800 1000 1200 1400(Mbps)

Faster Wi-Fi with Beamforming Technology
Beamforming technology involves signal processing algorithms that generate directional signals, focused towards each client. Signals don't radiate out into the atmosphere, but are concentrated from your router or access point to the target device. With beamforming reception support in your adapter, Wi-Fi performance is dramatically improved with better reliability, range and coverage and less wasted signals.

Wi-Fi without Beamforming

11ac Beamforming

High Performance 3T3R MIMO Technology
The EW-7833UAC features multiple input, multiple output (MIMO) antenna technology with 3 transmitter antennas and 3 receiver antennas to optimize data speeds for the best wireless performance.
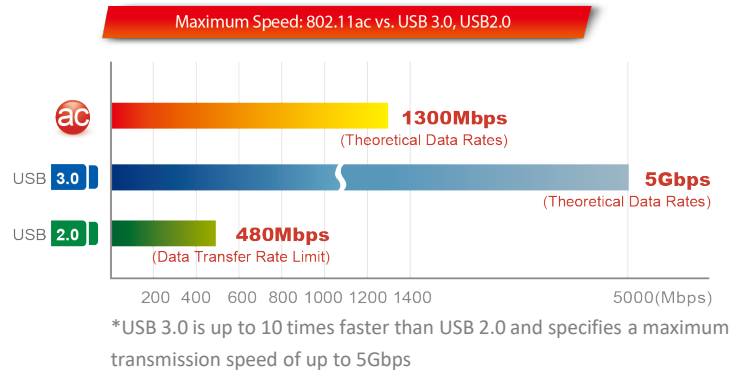
High Performance 3T3R Antenna

www.edimax.com

802.11ac Truly Realized with USB 3.0

USB 3.0 is up to 10 times faster than USB 2.0 and specifies a maximum transmission speed of up to 5Gbps. Providing quicker data transmission times, and backwards compatibility with USB 2.0 (which specifies a maximum speed of 480Mbps), USB 3.0 is the new standard in connectivity – enabling devices to achieve the superfast speeds which 802.11ac can provide.

Maximum Speed: 802.11ac vs. USB 3.0, USB2.0

ac — 1300Mbps (Theoretical Data Rates)

USB 3.0 — 5Gbps (Theoretical Data Rates)

USB 2.0 — 480Mbps (Data Transfer Rate Limit)

200 400 600 800 1000 1200 1400 ... 5000(Mbps)

*USB 3.0 is up to 10 times faster than USB 2.0 and specifies a maximum transmission speed of up to 5Gbps
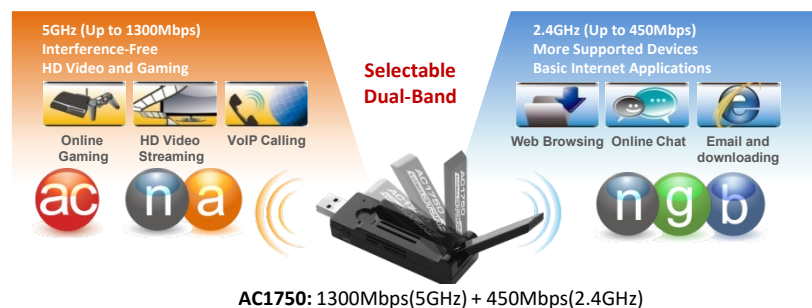
Download and Stream

Use the EW-7833UAC to download and stream media from YouTube, Netflix or other services without waiting for buffering, or stream media across your network from a NAS (network-attached storage) at super speeds. Streaming HD movies or downloading is faster and more reliable than ever with 802.11ac Wi-Fi.
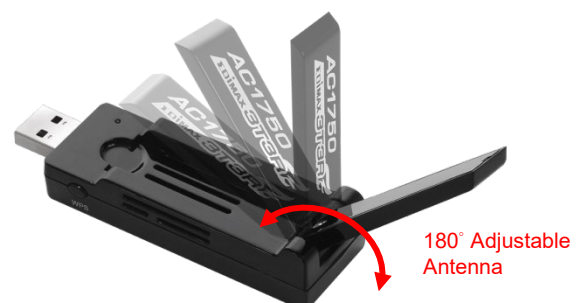
Dual-Band Connectivity

Enjoy better performance and greater flexibility for your desktop with dual-band connectivity. The EW-7833UAC provides connectivity for the 2.4GHz band at speeds of 450Mbps or 5GHz band at speeds of 1300Mbps. You can surf the internet and check your email on the 2.4GHz band, or select the 5GHz band for online gaming and video streaming.

5GHz (Up to 1300Mbps)
Interference-Free
HD Video and Gaming

Online Gaming | HD Video Streaming | VoIP Calling

Selectable Dual-Band

2.4GHz (Up to 450Mbps)
More Supported Devices
Basic Internet Applications

Web Browsing | Online Chat | Email and downloading

AC1750: 1300Mbps(5GHz) + 450Mbps(2.4GHz)

180° Adjustable Foldaway Antenna

The EW-7833UAC's sleek design features an adjustable foldaway antenna, allowing users to adjust the antenna's angle for optimum Wi-Fi performance and fold back the antenna to minimize size when it's not in use.

180° Adjustable Antenna

AC1750 Dual-Band Wi-Fi USB 3.0 Adapter
180° Adjustable Antenna

EW-7833UAC

FEATURES

- **11ac Super Fast Wi-Fi Speed**: Next generation AC1750 Wi-Fi for HD streaming and gaming with transfer speeds up to 450Mbps (2.4GHz) or 1300Mbps (5GHz).
- **USB 3.0 Interface**: Enables the USB adapter to achieve the super fast speeds which 802.11ac can provide.
- **Faster Wi-Fi with Beamforming Technology**: With support for beamforming directional signals, Wi-Fi performance is dramatically improved with better reliability, range and coverage and less wasted signals.
- **High Performance with 3T3R MIMO Technology**: Three transmitter antennas and three receiver antennas MIMO Technology for optimized performance.
- **Flexible Foldaway Antenna**: Embedded 180 degree adjustable foldaway antenna for optimum Wi-Fi performance.
- **Secure Wi-Fi**: High level Wi-Fi security supported with WPA3-SAE (Personal), WPA2, WPA, WEP and 802.1X.
- **Easy One-Click Wireless Connections**: Features a hardware WPS (Wi-Fi Protected Setup) button for easy wireless connections.
- **Supported OS:** Windows 7/8/8.1/10/11, macOS 10.7~10.15 and Linux Kernel 3.6.10~5.1.0.
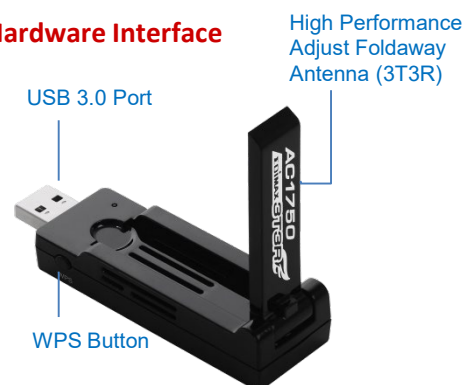
TECHNICAL SPECIFICATIONS

Hardware	Standards	Frequency Band

❋1 x USB 3.0 Type A
❋1 x Hardware WPS Button
❋1 x Link/Activity LED
❋3 x Antennas (3T3R MIMO)
	❋2.4GHz: IEEE 802.11b, 802.11g, 802.11n
	❋5GHz: IEEE 802.11ac, 802.11a, 802.11n
		❋2.4000 - 2.4835GHz*
		❋5.150 - 5.825GHz*
		  FCC: Band 1: 5.150~5.250(GHz)
		       Band 4: 5.745~5.850(GHz)
		  CE: Band 1: 5.150~5.250(GHz)
		*Subject to local regulations

Transmit Power	Installation	Operating Data Rate

❋2.4GHz
  11b (11Mbps): 12dBm±1.5dBm
  11g (54Mbps): 12dBm±1.5dBm
  11n (20MHz, MCS7): 12dBm±1.5dBm
  11n (40MHz, MCS7): 12dBm±1.5dBm
❋5GHz
  11a (54Mbps): 12dBm±1.5dBm
  11n (20MHz, MCS7): 12dBm±1.5dBm
  11n (40MHz, MCS7): 12dBm±1.5dBm
  11ac (80MHz, VHTMCS9): 12dBm±1.5dBm
	❋Hardware WPS button for Easy Wireless Connections	❋11a: 6/9/12/24/36/48/54Mbps;
		❋11b: 1/2/5.5/11Mbps;
		❋11g: 6/9/12/24/36/48/54Mbps
		❋11n (20MHz): MCS0-15 (up to 223Mbps)
		❋11n (40MHz): MCS0-15 (up to 450Mbps)
		❋11ac (80MHz): VHTMCS0-9 (up to 1300Mbps)

LED	Security	Temperature & Humidity
❋Link/Activity	❋WPA3-SAE (Personal), WPA2, WPA, WEP and 802.1X ❋Hardware & Software WPS Configuration	❋Max. 95% (non-condensing) ❋32 - 104°F (0 - 40°C)

Weight	Dimensions	Certifications
❋23g	❋87.1 (L) x 27 (W) x 18 (H) mm	❋CE/FCC/MIC/IMDA

Application Diagram

Internet
Cable Modem
802.11ac Dual-Band Wi-Fi Router
2.4GHz
5GHz

EW-7833UAC
Dual-Band Wi-Fi USB Adapter

EW-7833UAC
Dual-Band Wi-Fi USB Adapter

Hardware Interface

High Performance Adjust Foldaway Antenna (3T3R)
USB 3.0 Port
WPS Button

EDIMAX
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Edimax Technology Co., Ltd
6F., No.3, Wu-Chuan 3rd Road, Wu-Gu,
New Taipei City 24891, Taiwan
Email: sales@edimax.com.tw

Edimax Technology Europe B.V.
Fijenhof 2, 5652 AE Eindhoven,
The Netherlands
Email: sales@edimax.nl

Edimax Computer Company
3350 Scott Blvd., Bldg.15 Santa Clara,
CA 95054, USA
Email : sales@edimax.com