EDIMAX
NETWORKING PEOPLE TOGETHER

AC1200
11ac High Speed

2.4GHz 5GHz
Dual-Band

High Power & Wide Coverage
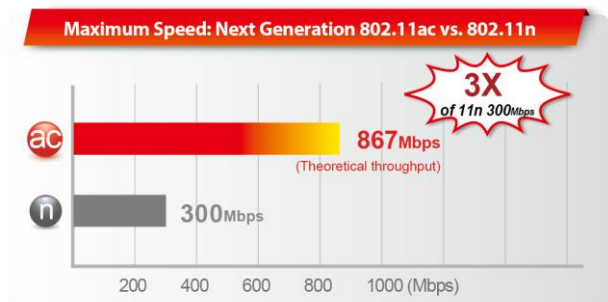
Detachable Antennas & Magnetic Antenna Stand

EW-7822PIC

AC1200 Dual-Band Wi-Fi PCI-E Adapter
Long Range, Wide Coverage

The next generation 802.11ac wireless standard is revolutionizing Wi-Fi. Super-speed 802.11ac dual-band routers are already available but wireless devices are still stuck with 802.11n technology. Upgrade your desktop computer to dual-band 802.11ac with a PCI-E adapter for blistering Wi-Fi speeds on the interference free 5GHz frequency band. The EW-7822PIC features two detachable high gain antennas providing high-performance Wi-Fi coverage. Including an additional magnetic stand to find the best antenna location to optimize wireless operation range and backwards compatible with 802.11a/b/g/n wireless devices.

Super High-Speed AC1200 Wi-Fi

Compatible with the IEEE 802.11ac standard and delivering speeds of up to 867Mbps at 5GHz, almost three times as fast as 802.11n. Upgrade PC's to super high speed 802.11ac Wi-Fi and enjoy streaming video and data.

Maximum Speed: Next Generation 802.11ac vs. 802.11n

3X of 11n 300Mbps

ac — **867**Mbps (Theoretical throughput)

n — **300**Mbps

200 400 600 800 1000 (Mbps)

Dual-Band Connectivity

Enjoy better performance and greater flexibility for your desktop with dual-band connectivity. The EW-7822PIC provides connectivity for the 2.4GHz band at speeds of 300Mbps or 5GHz band at speeds of 867Mbps. 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.

5dBi Antennas

5GHz (Up to 867Mbps)
Interference-Free
HD Video and Gaming

Online Gaming   HD Video Streaming   VoIP Calling

2.4GHz (Up to 300Mbps)
More Supported Devices
Basic Internet Applications

Web Browsing   Online Chat   Email and downloading

AC1200: 867Mbps(5GHz) + 300Mbps(2.4GHz)

Ideal for Gaming PCs

The EW-7822PIC is a perfect upgrade for desktop gaming PCs. Quickly add high performance, long range Wi-Fi ideal for online gaming where connection speeds are critical. Enjoy ultra-fast Wi-Fi connection speeds with a simple PCI-E upgrade.

AC1200 Dual-Band Wi-Fi PCI-E Adapter
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5dBi Antennas

High Gain Antenna
for Better Performance and Longer Distance

5dBi High Gain Antenna
High gain antennas provide a high performance long-range connection to your wireless network.

Magnetic Stand for Enhanced Wireless Signal
The EW-7822PIC comes with a free magnetic stand which features two antenna connectors to screw in the detachable antennas and a 1.8 meter cable for flexible placement. Fine-tune the antenna position for peak performance at no extra cost.

Download and Stream Wirelessly
Use the EW-7822PIC 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 lightning speeds. Streaming HD movies or downloading is faster and more reliable than ever with 802.11ac Wi-Fi.

AC1200 Dual-Band Wi-Fi PCI-E Adapter
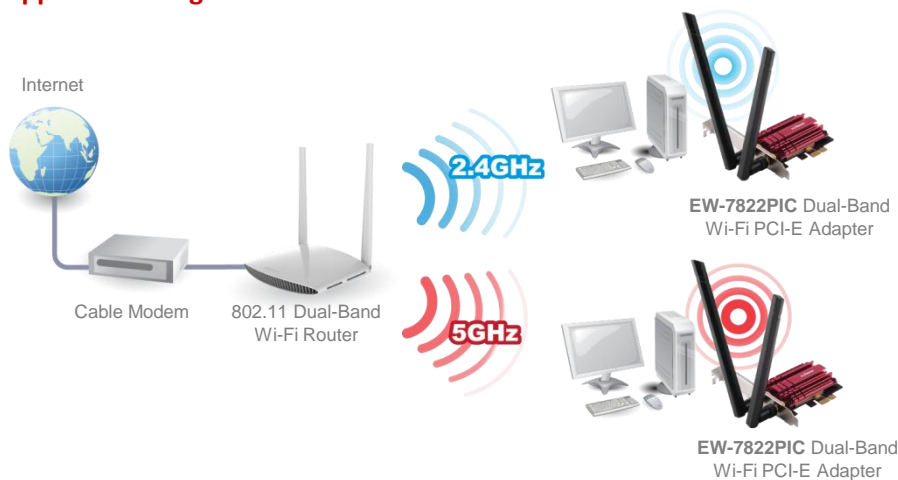# Long Range, Wide Coverage

EW-7822PIC

FEATURES

- Next generation AC1200 Wi-Fi for HD streaming and gaming with transfer speeds up to 300Mbps (2.4GHz) or 867Mbps (5GHz).
- High-output power design and high-gain antennas to extend Wi-Fi coverage and strengthen signal penetration through walls.
- Low profile bracket included for small computers.
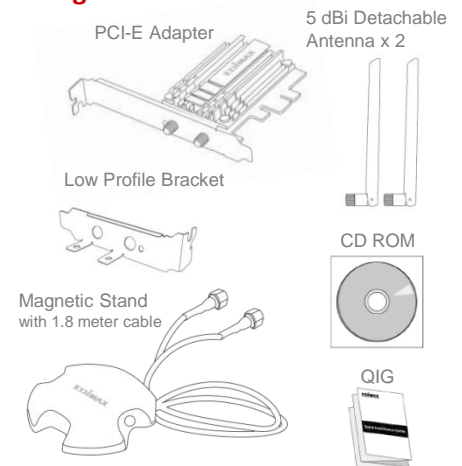- Magnetic antenna stand for flexible antenna positioning.

TECHNICAL SPECIFICATIONS

Hardware	Standards	Frequency Band
❋1 x PCI-E adapter ❋1 x Link/Activity LED ❋2 x Detachable high gain antennas	❋2.4GHz: IEEE 802.11b, 802.11g, 802.11n ❋5GHz: IEEE 802.11ac, 802.11a, 802.11n	❋2.4000 - 2.4835GHz ❋5.745 - 5.825GHz (FCC) ❋5.150 - 5.250GHz (R&TTE)

Output Power	Receive Sensitivity	Operating Data Rate

❋2.4GHz
  11b (11Mbps): 18dBm±1dBm
  11g (54Mbps): 15dBm±1dBm
  11n (20MHz, MCS7): 14dBm±1dBm
  11n (40MHz, MCS7): 14dBm±1dBm
❋5GHz
  11a (54Mbps): 17dBm±1dBm
  11n (20MHz, MCS7): 15dBm±1dBm
  11n (40MHz, MCS7): 15dBm±1dBm
  11ac (80MHz, MCS9): 13dBm±1dBm
	❋2.4GHz
	  11b (1Mbps): -91dBm±1dBm
	  11g (6Mbps): -87dBm±1dBm
	  11n (MCS0): -85dBm±1.5dBm
	❋5GHz
	  11a (6Mbps): -90dBm±1.5dBm
	  11n (MCS0): -90dBm±1.5dBm
	  11ac (MCS0): -75dBm±1.5dBm
		❋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 144Mbps)
		❋11n (40MHz): MCS0-15 (up to 300Mbps)
		❋11ac (80MHz): MCS0-9 (up to 867Mbps)

LED	Security	Temperature & Humidity
❋Link/Activity	❋WEP 64/128-bit, WPA and WPA2	❋Max. 95% (non-condensing) ❋32 - 104°F (0 - 40°C)

Dimensions & Weight	Certifications	Accessories
❋120(L) x 93(W) x 18(H) mm ❋80g (without antennas) ❋120g (with antennas)	❋CE/FCC	❋1 x Magnetic Stand with 1.8 meter cable ❋1 x Low Profile Bracket

Application Diagram

Internet

Cable Modem

802.11 Dual-Band Wi-Fi Router

2.4GHz

5GHz

EW-7822PIC Dual-Band Wi-Fi PCI-E Adapter

EW-7822PIC Dual-Band Wi-Fi PCI-E Adapter

Package Contents

PCI-E Adapter

5 dBi Detachable Antenna x 2

Low Profile Bracket

Magnetic Stand with 1.8 meter cable

CD ROM

QIG

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