Wireless-1750AC USB Adapter

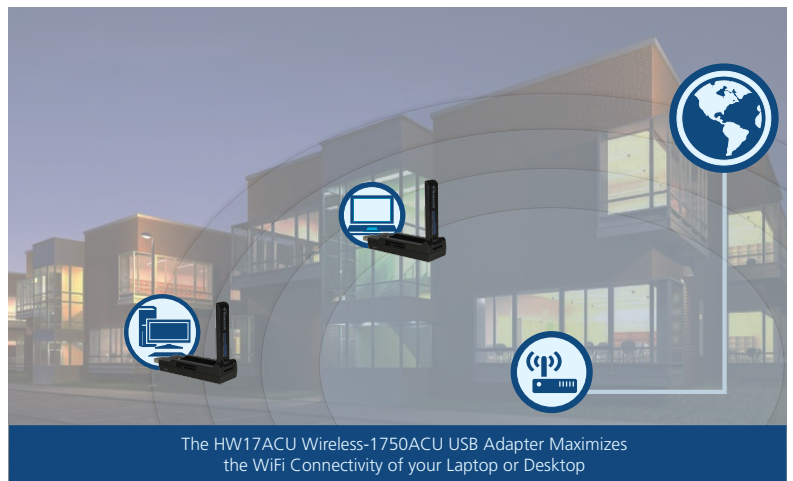Wireless-1750AC

Package Contents:
- One Wireless-1750AC USB Adapter
- Quick Installation Guide
- Setup CD (Contains User's Manual and Drivers)

Features
- Up to 1300Mbps Wireless Speeds!
- Dual-Band wireless connectivity for 2.4GHz or 5GHz
- Complies with 802.11ac and backwards compatible with 802.11a/b/g/n standards
- Supports WMM Wireless QoS Feature

System Requirements
- Windows 7+
- Mac OS 10.6+
- Available USB Port
- Wireless-AC Network
- An available CD-ROM drive is recommended Software also available via www.hawkingtech.com

The HW17ACU Wireless-1750ACU USB Adapter Maximizes the WiFi Connectivity of your Laptop or Desktop

Upgrade your WiFi with Premium Connectivity & Versatility
Use the HW17ACU to instantly increase the speed of your network via USB port. Make the move to the latest Wireless-1750AC network standard. The powerful design of the HW17ACU is perfect for upgrading your laptop or desktop with the blazing fast speeds of Wireless-1750AC. Maximize your networking flexibility, giving yourself greater range and overall performance. The perfect addition for your computers, the HW17ACU packs a powerful punch, giving speeds up to 9x faster than 802.11n built-in WiFi adapters. The HW17ACU also supports 802.11a/b/g/n backwards compatibility, meaning you can still connect to older routers/repeaters/access points that are not yet on the 802.11ac standard. Stay portable while you are at home or on the go. The HW17ACU will deliver convenient and consistent WiFi coverage for seamless HD streaming, gaming and other data-intensive activities.

Wireless-AC
2.4GHz Wireless 802.11b/g/n is the most commonly used wireless standard. Because of this popularity, interference and lag are common in the 2.4GHz network, especially in areas with a lot of wireless networks. 5GHz Wireless-AC was designed to get past this interference. Using a different frequency allows 5GHz Wireless-AC to maintain high speeds and throughput. The tradeoff of 5GHz Wireless-AC is the range is reduced when compared to 2.4GHz wireless networks.
Wireless-AC is built on a Dual-Band standard. Dual-Band Technology provides maximum flexibility allowing selection of the popular 2.4GHz frequency for long range applications or or selection of the faster, less-crowded 5GHz frequency for data intensive applications. With HW17ACU Wireless-AC, you have the option to connect to 5GHz network for high speed streaming or 2.4GHz for more distanced connection.

WiFi Multimedia (WMM Wireless QoS)
The HW17ACU supports WMM (WMM Wireless QoS). This means that this feature, when enabled on your supported router, gives priority to voice and video traffic over WiFi. Any WiFi devices that are video messaging or watching streaming video will have higher priority over other internet traffic. This should allow a smoother and clearer video for the user.

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SPECIFICATIONS

Chipset: Realtek RTL8814AU

USB Bus Type: USB 3.0 Type A

Antenna: 2 Internal PIFA Antennas and
    1 Dipole External Antenna (3T3R)

Data Rate:
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 233Mbps
11n (40MHz): MCS0-15, up to 450Mbps
11ac (80MHz): VHTMCS0-9, up to 1300Mbps

Output Power:
(2.4GHz)
11b (11M): 17±1.5dBm, 11g (54M): 15±1.5dBm
11n (20MHz, MCS7):13±1.5dBm
11n (40MHz, MCS7):13±1.5dBm
(5GHz)
11a (54Mbps): 13±1.5dBm
11n (20MHz, MCS7): 12dBm±1.5dBm
11n (40MHz, MCS7): 12dBm±1.5dBm
11ac (80MHz, MCS9): 10dBm±1.5dBm

Receive Sensitivity:
(2.4GHz)
11b: -79±2dBm , 11g(54M) -65±2dBm
11n (20MHz, MCS7): -64±2dBm
11n (40MHz, MCS7): -61±2dBm
(5GHz)
11a (54M): -70±2dBm , 11n (20MHz, MCS7): -67±2dBm
11n (40MHz, MCS7): -64±2dBm
11ac (80MHz, VHTMCS9): -51±2dBm

Operating Temperature: 32~104°F (0~40°C)
Storage: -4~140°F (-20~60°C)

Dimension: 3.4(L) x 1.0(W) x 2.6(H) in
 (86.4 x 25.4 x 66mm)

Weight: 0.6 oz (17 g)

Certification: FCC

Using the HW17ACU Adapter

up to 1300Mbps (5GHz)
up to 450Mbps (2.4GHz)

Using a standard built-in WiFi Adapter

up to 150Mbps (2.4GHz)

How it Works

Most WiFi enabled laptops and desktops have internal adapters. Therefore, it is difficult to pick up the strongest wireless signal and to change the settings of your antenna. In most cases, the internal adapter performance diminishes past a 150' radius, resulting in an unstable connection speed. This causes online activities such as web surfing, video chatting, video streaming and gaming to constantly lag. The HW17ACU is designed to increase your connection speeds of both 2.4GHz and 5GHz frequencies. This provides high performance and long distance connections for your wireless network. Use the HW17ACU to convert a laptop/desktops standard wireless connection into a more reliable, faster Wireless-1750AC connection.

Standard Built-in WiFi has slower speeds due to low gain antenna and older technology)

HW17ACU Adapter supports up to 1300Mbps on 5GHz Wireless-AC and up to 450Mbps on older 2.4GHz Wireless.

All specifications are subject to change without prior notification.