



**Wireless**  
**802.11ac**



## BiPAC 3010A Wireless-AC Dual-Band USB Adapter

***Boost your home or office wireless network with extremely high-speed dual-band!***

Billion BiPAC 3010A is an extremely high-speed dual band USB adapter. It comes with the next-generation Wi-Fi standard - 802.11ac, three times faster than wireless-N speeds and sixteen times faster than wireless-G speeds. It is users' superior choice for seamless HD video, online gaming, file sharing and other bandwidth-intensive tasks. It supports extremely high transfer data rate, up to 300Mbps upload and 867 download data rate via 2.4GHz and 5GHz bands (selectable). It also provides wider wireless coverage, so you don't have to worry if your computer is far from your wireless access point.

Dual-band technology avoids interference, ensuring extremely fast speeds. The BiPAC 3010A is backward compatible with Wireless-a/n devices, while operating at 802.11ac data rates. It is also backward compatible with Wireless-a/b/g devices while operating at 802.11n data rates, allowing for hassle-free connectivity and flexibility. The 5GHz band allows you to take advantage of a far less congested band, unlike 2.4GHz band which is generally congested. The BiPAC 3010A featured with a 180 degree adjustable foldaway antenna. Users can adjust the antenna's angle for optimum wireless performance.

The BiPAC 3010A supports both 64/128-bit WEP (Wired Equivalent Privacy) and Wi-Fi Protected Access (WPA/xWPA2) for secure wireless LAN connections. It also supports WMM (Wi-Fi Multimedia) which ensures stability and performance for multimedia applications by prioritizing the traffic.

- Compliant with IEEE 802.11a/b/g/n/ac standards
- High data transfer rate – 2.4GHz up to 300Mbps, 5GHz up to 867Mbps
- Further coverage, less dead spaces and higher throughput with MIMO technology
- Enables xDSL router, cable modem, STB, or multi-media devices, etc. to have 11ac Wi-Fi capability
- Supports IEEE 802.11e QoS Enhancement (WMM)
- Supports Windows XP/Vista/7/8 and MAC OS 10.4 - 10.9
- Supports USB 3.0/2.0 type A interface
- Adjustable foldaway antenna for optimum wireless performance



## Features & Specifications

<b>Standard</b>	IEEE 802.11a/b/g/n/ac
<b>Frequency Band</b>	2.4000~2.4835GHz (subject to local regulations) 5.150~5.825GHz (subject to local regulations)
<b>S/W Driver</b>	Microsoft OS: WinXP/X64; VistaX86/X64; Win7X86/X64; Win8X86/X64 MAC OS: 10.4 - 10.9 Linux 2.4 - 2.6
<b>Data Rate</b>	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): VHTMCS0-9, up to 867Mbps
<b>Antenna</b>	2 single-band antennas + 1 dual-band antenna
<b>Transmit Power</b>	2.4GHz: 11b (11M): 16±1.5 dBm, 11g (54M): 14±1.5 dBm 11n (20MHz, MCS7): 14±1.5 dBm, 11n (40MHz, MCS7): 12±1.5 dBm 5GHz: 11b (54M): 12±1.5 dBm, 11n (20MHz, MCS7): 10±1.5 dBm, 11n (40MHz, MCS7): 10±1.5 dBm 11ac (80MHz, VHTMCS9): 10±1.5 dBm
<b>Receive Sensitivity</b>	2.4GHz: 11b (11M): -79±2dBm, 11g (54M): -65±2dBm 11n (20MHz, MCS7): -64±2dBm, 11n (40MHz, MCS7): -61±2dBm 5GHz: 11 <sup>a</sup> (54M): -70±2dBm, 11n (20MHz, MCS7): -67±2dBm, 11n (40MHz, MCS7): -64±2dBm, 11ac (80MHz, VHTMCS9): -51±2dBm
<b>Dimension</b>	70(L) x 22.2(W) x 1.0(H)mm (4 Layers PCB)
<b>Temperature</b>	Operating: 32°F ~ 104°F (0°C ~40°C) Storage: -4°F ~ 140°F (-20°C ~60°C)
<b>Humidity</b>	Operating: 10% ~ 90% (Non-condensing) Storage: Max.95% (Non-condensing)

Specifications in this datasheet are subject to change without prior notice.  
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