



IEEE 802.11AC PCI Express Wireless Dual Band Network Adapter

Only for Windows 10 (32/64bit)

Model : •FS-AE120

Official Site: www.febsmart.com Tech-support: support@febsmart.com

FS-AE120 Product Specification:

FS-AE120 Wireless AC 1200Mbps (2.4G 300Mbps and 5G 867Mbps) Dual Band PCI Express (PCIE) Wi-Fi Adapter



- ① Low profile bracket
- ② Activity Indicator
- ③ Standard profile bracket
- ④ PCI express interface
- ⑤ Heat sink
- ⑥ 2X5dBi Wi-Fi antenna

Product Description:

FS-AE120 is a dual band wireless AC 1200Mbps PCI Express (PCI-E) Adapter; Offers Ultra fast speed, stable and few loss wireless connectivity at 2.4GHz 300Mbps and 5GHz 867Mbps max throughput on PCs for internet surfing, online gaming and Pro HD video streaming.

1

Technology Specification:

Main Chip: Marvell AVASTAR 88W8897
 Wireless Signal: 2x2 802.11AC 2-Stream MIMO
 Working Mode: Wi-Fi Adapter (Receiver) and Wireless AP
 Operation Frequency: Operation Frequency: 5GHz and 2.4GHz
 Wireless Standard: IEEE802.11AC, backward compatible with IEEE802.11a/b/g/n
 Compatible Device: Standard and Mini Size PCs (Working stations)
 Wireless Encryption: WEP, WPA/WPA2, WPA-PSK/WPA2-PSK (TKIP/AES).
 Antennas: 2X5dBi Omni-directional external detachable dual band antenna
 Hardware Interface: PCI-E 2.0 X1, Works on PCIE X1, X4, X8, X16 slot, Comply With PCIE 2.X, 1.X, 3.X
 Max Wi-Fi Speed: 2.4GHz 40MHz 300Mbps (802.11AC/N), 20MHz 150Mbps (802.11AC/N); 5GHz 80MHz 867Mbps (802.11AC); 40 MHz 433Mbps (802.11AC), 300Mbps (802.11N) ; 20MHz 150Mbps (802.11N)

System Requirements:

Linux OS need compile by user.
 Driver Free on Windows 10 (32/64bit) and Chrome OS.
DO NOT SUPPORT OTHER WINDOWS SYSTEMS.

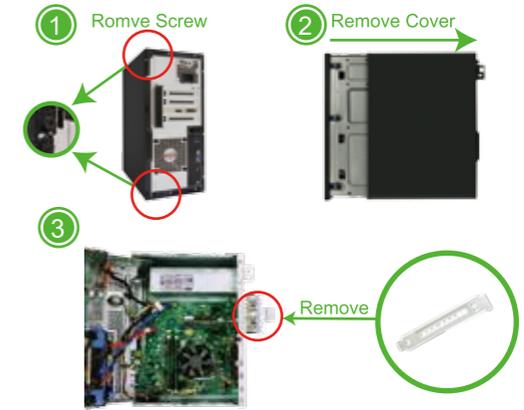
Package List:

1X FS-AE120; 1X User Manual; 2X 5dBi Antenna; 1X Mounting Screw; 1X Low Profile Bracket.

2

Assemble Wi-Fi Adapter to Desktop Computers:

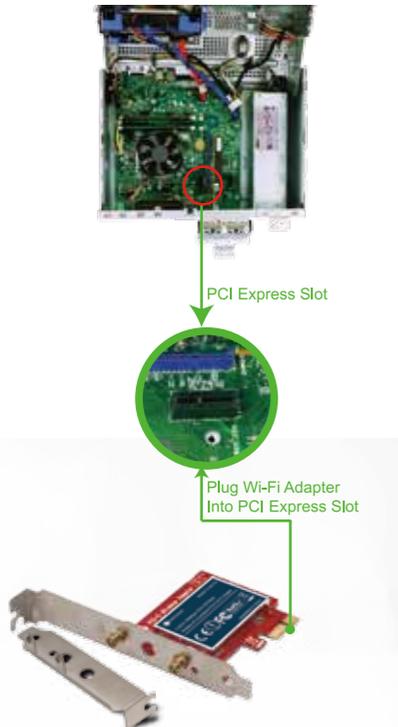
Step1. Switch OFF, unplug your computer from the main socket, unplug the power cord and other connected peripheral devices. Remove the cover from computer's case.



Step2. Find the correct PCI Express Slot, Insert the wireless network card into an empty PCI-E slot of the motherboard.

3

④



4

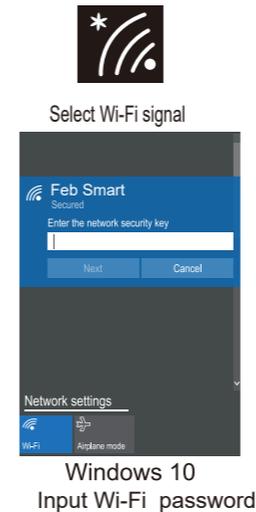
Step3. Screw in the antennas included directly to wireless network card. Note: If needed Position of the antennas can be adjusted to improve wireless reception. Reattach the cover of computer case, turn on computer.

⑤



5

Step4. Windows 10 (32/64bit) will load device driver automatically. Then please select the Wi-Fi signal, fill correct password and connect to it. Afterwards enjoy fast internet.



6

Trouble Shooting and Solution:

1. What can I do If Windows 10 system wasn't load driver automatically?

This FS-AE120 design s for Windows10(32/64bit) system only make sure users get better Wi-Fi connection performance. Windows10 acutely have build a driver already. Most of system will load, but if it did not load. Please go to www.febsmart.com download driver file load driver by hand.

2. Why my PC cannot connect to 5G signal?

M1, PCs find 5GHz signal but can't connect:
 A. Connect to 2.4G first, make sure it is connected .
 B. Find your 5G signal and connect, most of them will work.
 M2. PCs cannot find my 5G signal but 2.4G works:
 A. Connect 2.4G signal first. B. Restart PC or re-plug this Wireless card. Or in Device Manager-Remove this card and install driver again for it. Then PCs will find 5GHz and will allow PCs connect.

3. Why my PCs always get poor signal or drops sometimes?

A. Test Wi-Fi signal in PC area (same spot, same height) by cell phone check if PC was placed in a Wi-Fi dead zone if yes, please change location for PCs.
 B. If the distance little long PCs will get poor signal or only 2.4G signal. To improve this please considers change the PCs or Wireless AP's location. Or you can buy a more power Wi-Fi Antenna for it.

4. Where can I get product tech-support ?

Users can visit our site www.febsmart.com or send message to us at support@febsmart.com

7