



## AIT-AX210-EX is a WiFi 6E PCIe card, based on the Intel AX210 module

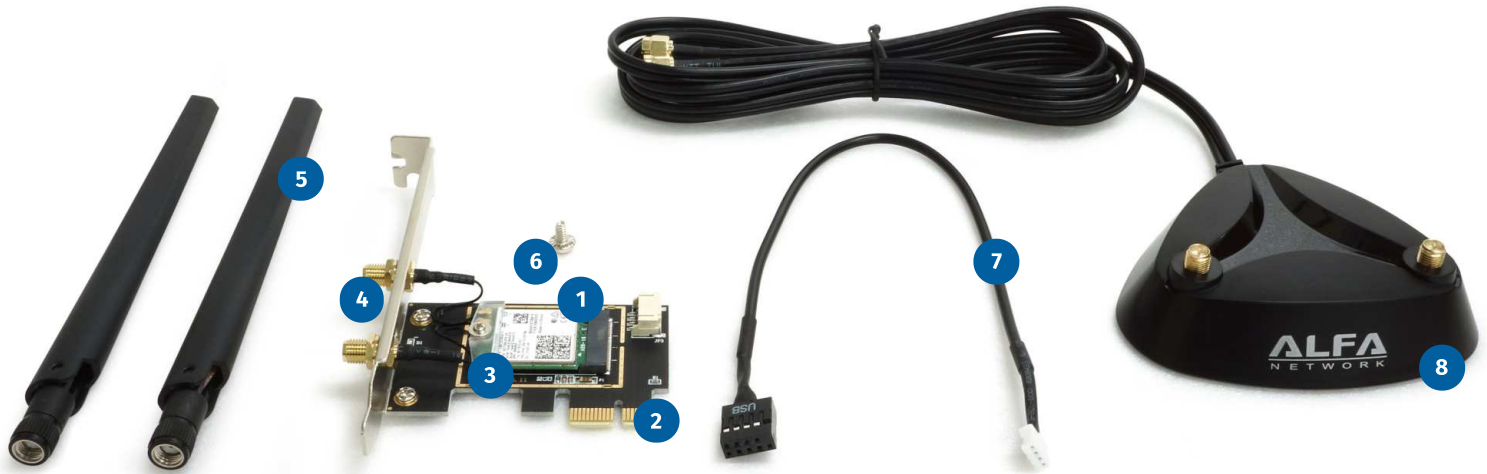
AIT-AX210-EX supports the latest WiFi 6E (IEEE 802.11ax) with special features like OFDMA, 1024QAM and MU-MIMO. Module includes also Bluetooth 5.2, is backward compatible and operates in 2.4, 5 and 6 GHz bands.

The PCI Express ×1 interface allows using this set in any desktop PC equipped with PCIe ×1, ×4, ×8 or ×16 slot.

### Key features

- 1 Intel AX210 WiFi 6E and BT5 module (M.2/NGFF A+E-key 2230)
- 2 PCIe ×1 to M.2/NGFF A+E-key 2230 adapter (support for PCIe ×1 and USB 2.0 bus)
- 3 Dual RP-SMA female magnetic antenna stand (with 2-meter RG-174 RF cable)
- 4 2× tri-band dipole omni antenna (5 dBi gain)

<b>Intel product code</b>	AX210NGW Intel WiFi 6E (Gig+)/Typhoon Peak series
<b>IEEE 802.11 standards</b>	a/b/g/n/ac/ax
<b>Special features</b>	OFDMA, 1024QAM, MU-MIMO, TPC/DFS, TWT
<b>Frequency</b>	2.4 GHz 5 GHz 6 GHz
<b>Data rate</b>	Up to 2.4 Gbps
<b>Bluetooth</b>	5.2
<b>Antenna type</b>	2× tri-band dipole omni (5 dBi gain) (ARS-AS02T dual magnetic antenna stand with 2-meter RG-174 RF cable included)
<b>Antenna connectors (adapter)</b>	2× RP-SMA female
<b>Antenna connectors (module)</b>	2× IPEX4 (MHF4)
<b>Interface</b>	PCIe x1 (WiFi) USB 2.0 (Bluetooth)
<b>Operating systems</b>	Microsoft Windows 10 and 11 Linux (kernel 5.10 and above)
<b>Form factor (adapter)</b>	PCI Express ×1 (compatible with ×4, ×8 and ×16 slot type)
<b>Form factor (module)</b>	M.2/NGFF A+E-key 2230
<b>Dimensions</b>	TBA



- 1 Intel AX210NGW module \*
- 2 PCIe x1 to M.2/NGFF A+E-key 2230 adapter board
- 3 Plastic IPEX4 (MHF4) connectors cover
- 4 2x IPEX4 (MHF4) to RP-SMA (female) pigtail RF cable
- 5 2x tri-band dipole omni antenna (5 dBi gain)
- 6 Mounting screw for PCIe adapter board
- 7 USB 2.0 cable for Bluetooth
- 8 ARS-AS02T magnetic antenna stand (with 2-meter RG-174 RF cable)

\* The M.2/NGFF module is installed in the adapter board by default