



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

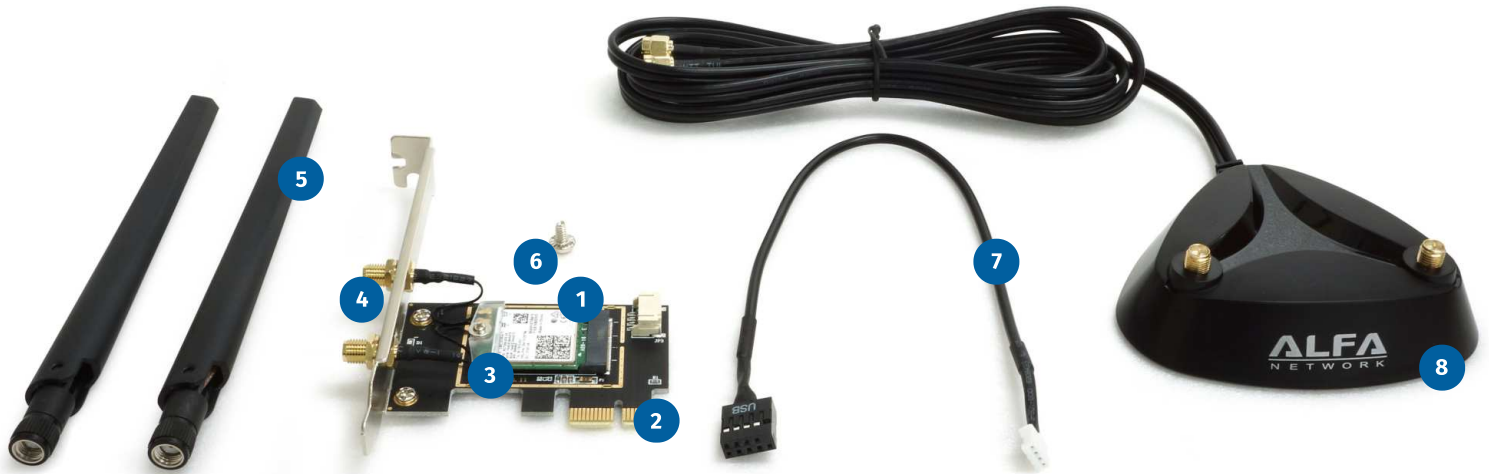
AIT-AX210-EX supports the latest WiFi 6E (IEEE 802.11ax) with special features like OFDMA, 1024QAM and MU-MIMO. Module includes also Bluetooth 5.2, is backward compatible and operates in 2.4, 5 and 6 GHz bands.

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)

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