



## AWPCIE-AX200U is a half-size mini PCIe WiFi6 card, based on high-efficiency Intel AX200

AWPCIE-AX200U supports the latest WiFi6 (IEEE 802.11ax) with special features like OFDMA, 1024QAM and MU-MIMO. Module includes also Bluetooth 5.0 radio, is backward compatible (IEEE 802.11a/b/g/n/ac) and operates in 2.4 and 5 GHz bands.

Thanks to its mini PCIe form factor (half-size) and IPEX/U.FL antenna connectors, owners of legacy products can use the latest wireless technologies with up to 2.4 Gbps data rate.

Wide support in modern operating systems (Microsoft Windows 10, Linux, Chrome OS) helps with seamless module integration.

### Key features

- 1 Intel AX200 WiFi6 and BT5 module
- 2 half-size mini PCIe form factor
- 3 PCIe x1 (WiFi) and USB 2.0 (BT) interfaces
- 4 2x IPEX/U.FL antenna connectors

<b>Intel product code</b>	AX200D2WL (Intel AX200 Cyclone Peak 2 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
<b>Data rate</b>	2.4 Gbps
<b>Bluetooth</b>	5.0
<b>Antenna connectors</b>	2× IPEX/U.FL
<b>Interface</b>	PCIe x1 (WiFi) USB 2.0 (Bluetooth)
<b>Operating systems</b>	Microsoft Windows 10 Linux Chrome OS
<b>Form factor</b>	half-size mini PCIe
<b>Dimensions</b>	30 × 26.8 × 2.75 mm

Top		Bottom	
1	PCIe WAKEn	3.3 V	2
3	NC	GND	4
5	NC	NC	6
7	PCIe CLKREQn	NC	8
9	GND	NC	10
11	PCIe REFCLK-	NC	12
13	PCIe REFCLK+	NC	14
15	GND	NC	16
<b>Mechanical key</b>			
17	NC	GND	18
19	NC	PCIe W_DISABLEn	20
21	GND	PCIe PERSTn	22
23	PCIe PERn0	3.3 V	24
25	PCIe PERp0	GND	26
27	GND	NC	28
29	GND	NC	30
31	PCIe PETn0	NC	32
33	PCIe PETp0	GND	34
35	GND	USB 2.0 D-	36
37	GND	USB 2.0 D+	38
39	3.3 V	GND	40
41	3.3 V	RESERVED	42
43	GND	WLAN LED	44
45	NC	RESERVED <sup>1</sup>	46
47	NC	NC	48
49	NC	GND	50
51	NC	3.3 V	52

<sup>1)</sup> reserved for Bluetooth LED signal