HP Intel Wi-Fi 6E AX211 Internal WLAN / Bluetooth 2400 Mbit/s

Brand : HP

Product code: 8L6Z1AV

Product name : Intel Wi-Fi 6E AX211

Intel AX211 Wi-Fi 6E vPro 160MHz + BT 5.3 WLAN

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The Intel® Wi-Fi 6E AX211 (Gig+), a CRF1 (Companion RF), is designed to support Wi-Fi 6E technology. The product supports dual-stream Wi-Fi in the 2.4GHz, 5GHz and 6GHz bands as well as Bluetooth® 5.3. It also supports Wi-Fi 6 R2 features, including UL MU-MIMO2. These new features maximize the benefits of Wi-Fi 6, including Gigabit speed, ultra-low latencies, and enhanced reliability benefits across new radio frequencies exclusive to Wi-Fi 6E devices, and deliver a significant improvement in user experience in dense deployments.
Combined with Intel® Core™ processors and exceptional Intel wireless innovations, the Intel® Wi-Fi 6E AX211 module can dramatically improve your connected experience at home, work, or on the go.

Ports & interfaces	
Connectivity technology *	Wireless
Host interface *	M.2
Interface *	WLAN / Bluetooth
Network	
Maximum data transfer rate *	2400 Mbit/s
Networking standards *	IEEE 802.11a, IEEE 802.11ac, IEEE 802.11ax, IEEE 802.11az, IEEE 802.11b, IEEE 802.11d, IEEE 802.11e, IEEE 802.11g, IEEE 802.11h, IEEE 802.11i, IEEE 802.11k, IEEE 802.11n, IEEE 802.11u, IEEE 802.11w
Wi-Fi	✔
Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax), Wi-Fi 6E (802.11ax)
WLAN data transfer rates supported	2402 Mbit/s
Modulation	OFDMA
Security algorithms	EAP-AKA, EAP-SIM, EAP-TLS, EAP-TTLS, WPA2, WPA3
MU-MIMO	✔
Bluetooth	✔
Bluetooth version	5.3

Design	
Component for *	Laptop
Product colour	Green
Internal *	✔
Certification	UL, C-UL, CB (IEC 60950-1)
System requirements	
Windows operating systems supported	Windows 10 Education, Windows 10 Education x64, Windows 10 Enterprise, Windows 10 Enterprise x64, Windows 10 Home, Windows 10 Home x64, Windows 10 IOT Core, Windows 10 Pro, Windows 10 Pro x64, Windows 11, Windows 11 Enterprise, Windows 11 Enterprise x64, Windows 11 Home, Windows 11 Pro, Windows 11 x64
Linux operating systems supported	✔
Other operating systems supported	ChromeOS
Operational conditions	
Operating temperature (T-T)	0 - 50 °C
Operating relative humidity (H-H)	50 - 90%
Weight & dimensions	
Weight	2.83 g
Other features	
Compliance	FIPS, FISMA

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