

Overview

Intel 9260 802.11ac PCIe x1 Card



Part Number

3TK89AA

Introduction

Enjoy business-class, high-speed wireless and Bluetooth® connectivity on your desktop with the Intel® 9260 802.11ac PCIe x1 Card.¹

1. Intel® vPro™ not supported. WLAN requires separately purchased access point and Internet service. The specifications for the 802.11ac WLAN are draft specifications and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other 802.11ac WLAN devices.

Key Benefits

- Latest Intel technology
- MU-MIMO
- 2x2 802.11AC DualBand technology support
- Gigabit Wi-Fi
- Both WLAN and Bluetooth 5.0 support (Combo)

Service and Support

Your Option Limited Warranty is a one (1) year (HP Option Limited Warranty Period) parts replacement warranty on any HP branded or Compaq-branded options (HP Options). If your HP Option is installed in an HP Hardware Product, HP may provide warranty service either for the HP Option Limited Warranty Period or the remaining Limited Warranty Period of the HP Hardware Product in which the HP Option is being installed, whichever period is the longer but not to exceed three (3) years from the date you purchased the HP Option.

Technical specifications

Technical specifications

Product dimensions (H x W x D)	2.78 x 2.2 in (7.06 x 5.7 cm)
Product weight	.09 lb (2.8 gr)
Operating Temperature Range (Celsius)	-10 to 70°C
Compatible Operating Systems	Windows 10, Linux, Chrome OS™
Wireless LAN Standards	IEEE 802.11a IEEE 802.11b IEEE 802.11g IEEE 802.11n IEEE 802.11ac
Frequency Band	802.11b/g/n <ul style="list-style-type: none">• 2.402 – 2.482 GHz 802.11a/n <ul style="list-style-type: none">• 4.9 – 4.95 GHz (Japan)• 5.15 – 5.25 GHz• 5.25 – 5.35 GHz• 5.47 – 5.725 GHz• 5.825 – 5.850 GHz
Data Rates	<ul style="list-style-type: none">• 802.11b: 1, 2, 5.5, 11 Mbps• 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps• 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps• 802.11n: MCS 0 ~ MCS 15, (20MHz, and 40MHz)• 802.11ac : MCS0 ~ MCS9, (1SS, and 2SS) (20MHz, 40MHz, , 80MHz & 160MHz)
Modulation	Direct Sequence Spread Spectrum BPSK, QPSK, CCK, 16-QAM, 64-QAM, 256-QAM
Security	<ul style="list-style-type: none">• IEEE and WiFi compliant 64 / 128 bit WEP encryption for a/b/g mode only• AES-CCMP: 128 bit in hardware• 802.1x authentication• WPA, WPA2: 802.1x. WPA-PSK, WPA2-PSK, TKIP, and AES.• WPA2 certification• IEEE 802.11i• Cisco Certified Extensions, all versions through CCX4 and CCX Lite• WAPI
Network Architecture Models	Ad-hoc (Peer to Peer) Infrastructure (Access Point Required)
Roaming	IEEE 802.11 compliant roaming between access points
Output Power	<ul style="list-style-type: none">• 802.11b : +18.5dBm minimum• 802.11g : +17.5dBm minimum• 802.11a : +18.5dBm minimum• 802.11n HT20(2.4GHz) : +15.5dBm minimum• 802.11n HT40(2.4GHz) : +14.5dBm minimum• 802.11n HT20(5GHz) : +15.5dBm minimum

Technical specifications

- 802.11n HT40(5GHz) : +14.5dBm minimum
- 802.11ac VHT80(5GHz) : +11.5dBm minimum
- 802.11ac VHT160(5GHz) : +11.5dBm minimum

Power Consumption

- Transmit mode 2.0 W
- Receive mode 1.6 W
- Idle mode (PSP) 180 mW (WLAN Associated)
- Idle mode 50 mW (WLAN unassociated)
- Connected Standby 10mW
- Radio disabled 8 mW

Power Management

ACPI and PCI Express compliant power management
802.11 compliant power saving mode

Receiver Sensitivity

802.11b, 1Mbps : -93.5dBm maximum
802.11b, 11Mbps : -84dBm maximum
802.11a/g, 6Mbps : -86dBm maximum
802.11a/g, 54Mbps : -72dBm maximum
802.11n, MCS07 : -67dBm maximum
802.11n, MCS15 : -64dBm maximum
802.11ac, MCS0 : -84dBm maximum
802.11ac, MCS9 : -59dBm maximum

Antenna Type

High efficiency antenna with spatial diversity, mounted in the display enclosure
Two embedded dual band 2.4/5 GHz antennas are provided to the card to support WLAN MIMO communications and Bluetooth communications

Form Factor

PCI-Express M.2 MiniCard

Dimensions

Type 2230 : 2.3 x 22.0 x 30.0 mm

Weight

Type 2230 : 2.8g

Operating Voltage

3.3v +/- 9%

Temperature

Operating: 14° to 158° F (-10° to 70° C)
Non-operating: -40° to 176° F (-40° to 80° C)

Humidity

Operating: 10% to 90% (non-condensing)
Non-operating: 5% to 95% (non-condensing)

Altitude

Operating: 0 to 10,000 ft (3,048 m)
Non-operating: 0 to 50,000 ft (15,240 m)

LED Activity

LED Amber – Radio OFF; LED White – Radio ON

Technical specifications

HP Integrated Module with Bluetooth 4.0/4.1/4.2/5.0 Wireless Technology

Bluetooth Specification	4.0/4.1/4.2/5.0 Compliant
Frequency Band	2402 to 2480 MHz
Number of Available Channels	Legacy : 0~79 (1 MHz/CH) BLE : 0~39 (2 MHz/CH)
Data Rates and Throughput	Legacy : 3 Mbps data rate; throughput up to 2.17 Mbps BLE : 1 Mbps data rate; throughput up to 0.2 Mbps Legacy : Synchronous Connection Oriented links up to 3, 64 kbps, voice channels Legacy : Asynchronous Connection Less links 2178.1 kbps/177.1 kbps asymmetric (3-DH5) or 864 kbps symmetric (3-EV5)
Transmit Power	The Bluetooth component shall operate as a Class II Bluetooth device with a maximum transmit power of + 4 dBm for BR and EDR.
Power Consumption	Peak (Tx) 330 mW Peak (Rx) 230 mW Selective Suspend 17 mW
Bluetooth Software Supported Link Topology	Microsoft Windows Bluetooth Software
Power Management	Microsoft Windows ACPI, and USB Bus Support
Certifications	FCC (47 CFR) Part 15C, Section 15.247 & 15.249
Power Management Certifications	ETS 300 328, ETS 300 826 Low Voltage Directive IEC950 UL, CSA, and CE Mark
Bluetooth Profiles Supported	BT4.1-ESR 5/6/7 Compliance LE Link Layer Ping LE Dual Mode LE Link Layer LE Low Duty Cycle Directed Advertising LE L2CAP Connection Oriented Channels Train Nudging & Interlaced Scan BT4.2 ESR08 Compliance LE Secure Connection- Basic/Full LE Privacy 1.2 –Link Layer Privacy LE Privacy 1.2 –Extended Scanner Filter Policies LE Data Packet Length Extension FAX Profile (FAX) Basic Imaging Profile (BIP)2 Headset Profile (HSP) Hands Free Profile (HFP) Advanced Audio Distribution Profile (A2DP)

Technical specifications

What Is In The Box

Intel 9260 802.11ac PCIe x1 Card
RF antenna
Antenna cable
Separate low profile bracket
Software CD and warranty

Compatibility

HP EliteDesk 800 G4 TWR, HP EliteDesk 800 G4 SFF, HP EliteDesk 705 G4 MT, HP EliteDesk 705 G4 SFF, HP ProDesk 600 G4 MT, HP ProDesk 600 G4 SFF

© Copyright 2018 HP Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Bluetooth is a trademark of its proprietor used by HP Inc. under license. Intel and vPro are trademarks of Intel Corporation or its subsidiaries in the U.S. and other countries.

Change log

Date of change:	Version History:		Description of change:
	From v1 to v2		