

### Overview

## Models

Intel 6205 802.11 a/b/g/n PCIe x1 Card

E0X93AA

## Introduction

Get premium Wi-Fi performance with a multi-stream (2x2), dual-band WLAN card that delivers faster speeds than legacy cards.

## Key Benefits

- Get up to 5 GHz power and faster speeds than with previous-generation cards.
- Connect to and manage a wide range of devices with integrated Intel technologies that deliver a total wireless solution.
- Get enterprise manageability, a simplified user interface, and advanced IT tools that help improve security, reduce complexity, and save IT time and money.
- IT administrators can create and push Wi-Fi profiles, centrally control client software, and remotely enforce corporate network policies.
- Manage security threats from rootkits, viruses, and malware; help protect web access points, user identities and confidential personal and business data; and remotely monitor, remediate, and repair PCs with Intel® vPro™ technology.1
- Enjoy visually stunning HD video and support for Full 1080p video and protected content from Blu-ray and UltraViolet with Intel WiDi software. Interact with the Windows 8 UI and applications in real time, across Intel WiDi-enabled devices.2
- Get automatic updates to your e-mail and online content and send your offline updates to the cloud quickly once you're back online—even in Sleep mode—with Intel® Smart Connect Technology.
  1. Some functionality of vPro such as Intel® Active management technology and Intel Virtualization technology, requires additional 3rd party software in order to run. Availability of future "virtual appliances" applications for Intel vPro technology is dependent on 3rd party software providers. Microsoft Windows required.
  2. Separately purchased projector, TV or computer monitor with an integrated or external WiDi receiver. WiDi certified wireless adapter required and sold separately.

## Compatibility

HP Compaq dx2390 MT; HP Compaq dx29400 MT; HP Compaq dx2420 MT; HP Compaq dx 2450 MT; HP Compaq dx7500 MT, SFF; HP Compaq dc5800 MT, SFF; HP Compaq 5850 MT, SFF; HP Compaq 4000 Pro SFF; HP Compaq Pro 6000 MT, SFF; HP ProDesk 600 G1 TWR, SFF; HP EliteDesk 800 G1 TWR, SFF; HP Compaq 6305 Pro MT, SFF.

**NOTE:** Please check this product's web page on HP.com for current compatibility information.

**NOTE:** Not all models are available in all regions.

### Overview

#### 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.

**Warning! Do not replace or remove the Mini PCIe card from the card caddy. This product is only designed to be used with the Mini PCIe card that came with the caddy. Replacement or removal of the Mini PCIe card may affect your warranty coverage for this product. Tampering with or removal of the warning sticker located on the Mini PCIe card will constitute tampering with the Mini PCIe card.**

### Technical Specifications

<b>Dimensions (L x H)</b>	3.3 x 4.7 in (26.8 x 30 mm)
<b>Weight</b>	0.08 lb (40 g)
<b>Controller</b>	Intel® Centrino® Advanced-N 6205
<b>System interface</b>	PCIExpress x1
<b>Network standard</b>	802.11 a/b/g/n
<b>Frequency band</b>	Dual band - 2.4 GHz and 5 GHz
<b>Operating temperature (Adapter Shield)</b>	32° to 149°F (0° to 80°C)
<b>Humidity Non-Operating</b>	50% to 90% RH non-condensing (at temperatures of 25°C to 35°C)

<b>Operating voltage</b>	3.3V +/- 9%	
<b>Power consumption</b>	Platform/WLAN Mode	Power Consumption
	Transmit mode	2.0 Watts
	Receive Mode	1.6Watts
	Idle mode (PSP)	250mW (WLAN Associated)
	Idle mode	100 mW (WLAN unassociated)
	Radio disabled	75mW
<b>Minimum Output power (approximately)</b>	<b>802.11b modes</b>	<b>802.11g modes</b>
	+13.5 dBm +/- 1.0 dB maximum	+13.5 dBm +/- 1.0 dB maximum

<b>Receive sensitivity</b>	<b>Mode</b>	<b>Data rate</b>	<b>Sensitivity</b>
	802.11b	1 Mbps	-95 dBm
	802.11b	2 Mbps	-93 dBm
	802.11b	5.5Mbps	-91dBm
	802.11b	11Mbps	-88dBm
	802.11a/g	6 Mbps	-90 dBm
	802.11a/g	9 Mbps	-89 dBm
	802.11a/g	12 Mbps	-87 dBm
	802.11a/g	18 Mbps	-85 dBm
	802.11a/g	24Mbps	-82dBm
	802.11a/g	36Mbps	-79dBm
	802.11a/g	48Mbps	-76dBm
	802.11a/g	54Mbps	-74dBm
	802.11n	150Mbps	-69dBm
	802.11n	300Mbps	-66dBm

<b>Security</b>	Authentication	WPA and WPA2, 802.1X (EAP-TLS, TTLS, PEAP, LEAP, EAP-FAST), EAP-SIM, EAP-AKA
	Authentication Protocols	PAP, CHAP, TLS, GTC, MS-CHAP*, MS-CHAPv2
	Encryption	64-bit and 128-bit WEP, AES-CCMP, TKIP
	Wi-Fi Direct Encryption and Authentication	WPA2, AES-CCMP

### Technical Specifications

	Product Safety	UL, C-UL, CB (IEC 60950-1)
<b>Antenna</b>		Included, external 2 transmit; 2 receive (2x2) antenna
<b>Certifications (Wi-Fi Alliance)</b>		Wi-Fi CERTIFIED* for 802.11a, 802.11b, 802.11g, 802.11n, WMM*, WPA*, WPA2*, and WPS Wi-Fi Direct for peer to peer device connections.
<b>Certifications for use by country</b>	Worldwide	<b>NOTE:</b> This product does not have radio certification for use in Nepal or Ukraine.
<b>OS support</b>		Windows 7 Ultimate (32-bit)* Windows 7 Ultimate (64-bit)* Windows 7 Professional (32-bit)* Windows 7 Professional (64-bit)* Windows 7 Home Premium (32-bit)* Windows 7 Home Premium (64-bit)* FreeDOS 2.0 Novell SUSE Linux Enterprise Desktop 11
		*Not all features are available in all editions of Windows 7. This system may require upgraded and/or separately purchased hardware to take full advantage of Windows 7 functionality. See <a href="http://www.microsoft.com/windows/windows-7/">http://www.microsoft.com/windows/windows-7/</a> for details.
<b>Option kit contents</b>		PCIe x1 card with full height bracket, rf antenna, antenna cable, separate low profile bracket, software CD and warranty.

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