

Asus P5Q3 Deluxe WiFi-AP n User Manual

User manual

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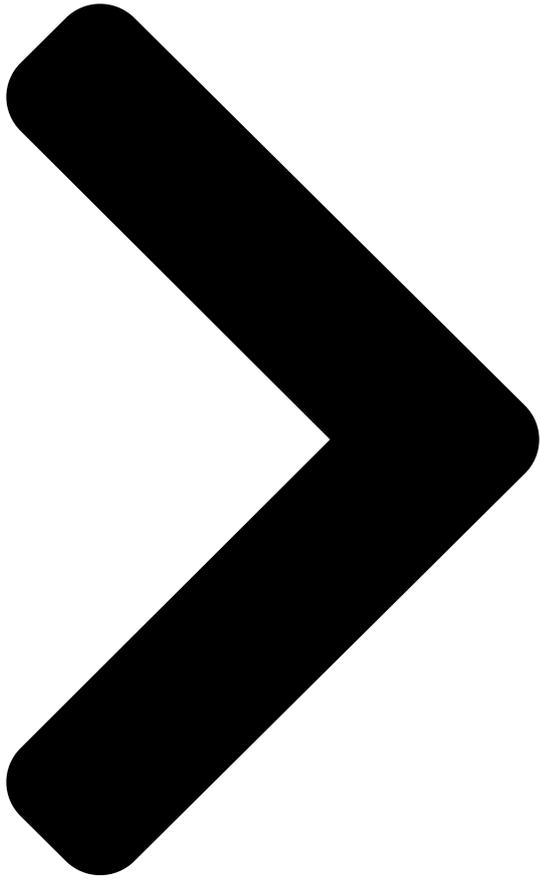
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User Guide



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[Motherboard Asus P5Q3 Deluxe WiFi-AP n User Manual](#)

User manual (64 pages)

[Motherboard Asus P5E3 Premium WiFi-APn User Manual](#)

User manual (200 pages)

[Motherboard Asus Crosshair II Formula - Republic of Gamers Series](#)

[Motherboard User Manual](#)

User manual (44 pages)

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Peb-10g/sfp+ series 10 gigabit/s ethernet card (38 pages)

Summary of Contents for Asus P5Q3 Deluxe WiFi-AP n

[Page 1](#) E3356 ® User Guide...

[Page 2](#) Product warranty or service will not be extended if: (1) the product is repaired, modified or altered, unless such repair, modification or alteration is authorized in writing by ASUS; or (2) the serial number of the product is defaced or missing.

[Page 3: Table Of Contents](#)

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[Page 4](#) Contents Appendices Wireless LAN channelsA-2 Safety statementsA-4 Federal Communications Commission StatementA-4 Regulatory Information/DisclaimersA-5 Safety InformationA-5 MPE StatementA-5 Caution Statement of the FCC Radio Frequency Exposure ..A-6 RF ExposureA-6...

[Page 5: About This Guide](#)

How this guide is organized This guide contains the following parts: • Chapter 1: Product introduction This chapter describes the general features of the ASUS WiFi-AP @n wireless solution. The chapter also presents the LED indications, and recommended WiFi-AP @n network settings. •...

[Page 6: Wifi-Ap @N Specifications](#)

Fully compatible with IEEE 802.11b/g, IEEE 802.11n Draft Compatibility 2.0 products Supports 16 stations connection. ASUS special features ASUS EZ WiFi mode: Running wireless network in AI-Nap mode ASUS Wi-Fi AP @n Wizard Software support ASUS Wi-Fi AP @n * The specifications are subject to change without notice.

[Page 7: Chapter 1: Product Introduction](#)

Chapter 1 This chapter describes the general features of the ASUS WiFi-AP @n wireless solution. The chapter also presents the LED indications, and recommended WiFi-AP @n network settings. Product introduction...

[Page 8: Welcome](#)

To provide efficient security to your wireless communication, WiFi-AP @n employs both 64-bit/128-bit Wired Equivalent Privacy (WEP) and Wi-Fi Protected Access (WPA/WPA2) encryptions. With these and many more, ASUS WiFi-AP @n is sure to keep you ahead in the world of wireless computing. Features...

[Page 9](#) In AP Mode, WiFi-AP @n can support up to 16 stations with wireless LAN adapters making it an ideal solution for homes and offices with single Internet connection or network printer. Moveable omni-directional antenna A pair of moveable, omni-directional antennas come with your WiFi-AP @n to maximize your wireless coverage. ASUS WiFi-AP @n...

[Page 10: Led And Antenna Port](#)

LED and antenna port The WiFi-AP @n comes with a green data transmission LED (AIR) and an antenna port located at the motherboard rear panel. AIR LED Antenna port • The location of the WiFi-AP @n data transmission LED and antenna port may vary on motherboard models.

[Page 11: Choosing An Appropriate Wireless Network](#)

Choosing an appropriate wireless network You can use the ASUS WiFi-AP @n in various wireless network configurations. It is recommended that you select the most appropriate configuration for your home or office network before setting up the WiFi-AP @n. The following pictures and descriptions are for reference only and may not exactly match your actual network configuration.

[Page 12: Access Point Mode \(Ap Mode\)](#)

1.4.1 Access Point Mode (AP Mode) If you wish to share the Internet access with the wireless stations in your environment, you can configure the WiFi-AP @n in an access point mode (AP Mode). In this mode, the WiFi-AP @n becomes the wireless access point that provides local area network and Internet access for your wireless stations.

[Page 13: Client Mode 1: Infrastructure Mode](#)

(AP). Station 2 The ASUS Wi-Fi AP @n utility doesn't provide infrastructure mode and ad-hoc mode configuration under Client Mode. To set up an infrastructure or ad-hoc network, use

Windows Zero Configuration under Windows® XP or WLAN AutoConfig under Windows®...

[Page 14](#) Chapter 1: Product Introduction...

[Page 15](#) Chapter 2 This chapter provides step by step instructions on installing the WiFi-AP @n drivers and utilities to your computer. This part also provides information on installing the antenna. Installation...

[Page 16: Installation](#)

2.1.1 System requirements Before installing the WiFi-AP @n drivers and utilities, make sure that your system meets the following requirements. • ASUS motherboard with WiFi-AP @n onboard solution • Minimum 256MB system memory • Operating system: Client mode: Windows® XP/ Vista AP mode: Windows®...

[Page 17: Signal Range](#)

By default, the device automatically adjusts the data rate and the closer the wireless station is, the better signal and transmit speed it receives. To improve your wireless transmission, move your wireless stations closer to the WiFi-AP @n. ASUS WiFi-AP @n...

[Page 18: Driver And Utilities Installation](#)

Driver and utilities installation • The contents of the motherboard support DVD are subject to change without notice. Visit the ASUS website for driver/utilities updates. • If you use a Windows® operating system, your computer auto-detects the WiFi-AP @n when system boots and displays an Add New Hardware Wizard window.

[Page 19: Chapter 3: Setting Up](#)

Chapter 3 This chapter provides information on how to set up the WiFi-AP @n in your home or office network. Setting up...

[Page 20: About The Setup Utilities](#)

About the setup utilities After you have installed the WiFi-AP @n drivers and utilities to your system, you are now ready to setup WiFi-AP @n in your network. Make sure that you have selected the most appropriate configuration for your wireless network before you proceed.

[Page 21: Setting Up With Wifi-Ap @N Wizard](#)

Install the WiFi-AP @n software from the support DVD. WiFi-AP @n Setup Wizard After completing the installation, the WiFi-AP @n Setup Wizard will run automatically. AP Mode Client Mode To use AP Mode, refer to To use Client mode, refer Section 3.2.1. to Section 3.2.2. ASUS WiFi-AP @n...

[Page 22: Setting Up The Ap Mode](#)

3.2.1 Setting up the AP Mode To launch the WiFi-AP @n setup wizard, right-click the system tray icon select Wizard. Select Create a wireless access point and click Next. The system automatically generates an SSID for the AP mode. You can rename the SSID, if desired.

[Page 23](#) The AP mode configuration is complete. Record the setup information on your note and click Finish to quit the ASUS WiFi-AP @n Wizard. As Internet sharing capability is supported via Microsoft ICS (Internet Connection Sharing), the WiFi-AP @n will only function as a standard access point without Internet sharing capability, once its default network configuration has been altered under the software access mode.

[Page 24: Setting Up The Client Mode](#)

Click Finish to exit the wizard. The ASUS Wi-Fi AP @n utility doesn't provide infrastructure mode and ad-hoc mode configuration under Client Mode. To set up an infrastructure or ad-hoc network, use Windows Zero Configuration under Windows XP or WLAN @n...

[Page 25: Setting Up With Wifi-Ap @N Utility](#)

WiFi-AP @n Wizard. 3.3.2 Utility Window The ASUS WiFi-AP @n utility consists of two different main windows, providing various functions and information. AP mode main window Four option pages are available in the AP mode, including Config, Association List, Advanced, and ICS

(Internet Connection Sharing).

[Page 26: Setting Up Ap Mode](#)

Client mode main window Three option pages are available in the Client mode, including Link Status, Statistics, and About. You can also enable or disable the ASUS WiFi-AP @n connectivity by clicking the Radio On/Off key. Mode Link Status Indicator...

[Page 27](#) When WiFi-AP @n is set to Shared Key authentication with WEP encryption, Follow the instructions below if you want to connect other computers to WiFi-AP @n. For Windows XP: Launch Windows Zero Configuration and click Change advanced settings. ASUS WiFi-AP @n...

[Page 28](#) Switch to the Wiress Networks tab and click Add. In Network name (SSID), input the SSID you set in the Wifi-AP @n utility. Set the Network Authertication to Shared and Data encryption to WEP. Uncheck The key is provided for me automatically box and input the Network key.

[Page 29](#) Click Change connection settings. In the Wireless Network Properities window, switch to the Security tab. Set the Security type to Shared and the Encryption type to WEP. Input the Network security key and click OK. Close all windows. ASUS WiFi-AP @n 3-11...

[Page 30](#) When WiFi-AP @n is set to WPA2-PSK authentication with AES encryption, Follow the instructions below if you want to connect other computers to WiFi-AP @n. • Windows XP does not support WPA2-PSK authentication with AES encryption, but you could download the Windows XP Hot fix KB893357 from Microsoft official website at <http://www.microsoft.com/en/us/> ®...

[Page 31](#) The value ranges from 20 ~ 1000. • Channel Width: You can choose from 20 MHz and Auto 20/40 MHz. ICS (Internet Connection Sharing) page Select the LAN port used for internet connection sharing and click Apply. ASUS WiFi-AP @n 3-13...

[Page 32: Setting Up The Client Mode](#)

You can check out the utility details, including driver version and date, utility version and date, EEPROM version, and firmware version. You can also connect to www.asus.com for product information. Radio On/Off key You can enable or disable the connectivity of WiFi-AP @n with a single click.

[Page 33: Setting Up Ad-Hoc Or Infrastructure Mode Under Windows](#)

Configuration and click Change advanced settings. Switch to the Wiress Networks tab and click Advanced. Select Computer-to-computer (ad hoc) networks only and clear the Automatically connect to non-preferred networks box if it is seleted. Click Close. ASUS WiFi-AP @n 3-15...

[Page 34: Setting Up Infrastructure Mode Under Windows ® Xp](#)

On the Wireless Networks tab, click Add. In the Wireless Network Properties dialog box, specify a Network name (SSID). Click OK to close all dialog boxes. Launch Windows Zero Configuration again. Select the desired ad-hoc network and click Connect. 3.4.2 Setting up Infrastructure mode under Windows ®...

[Page 35: Setting Up Ad-Hoc Mode Under Windows ® Vista](#)

Setting up Ad-hoc mode under Windows Vista ® Launch the Network and Sharing Center from the Control Panel and click Manage wireless networks. In the Manage wireless networks that use (Wireless Network Connection) window, click Add. ASUS WiFi-AP @n 3-17...

[Page 36](#) Click Create an ad hoc network. In the "Set up a wireless ad hoc network" window, click Next. Speficy a network name and select the security type. Click Next. You have completed setting up an Ad-hoc network. Click Close to exit. 3-18 Chapter 3: Setting up...

[Page 37: Setting Up Infrastructure Mode Under Windows ® Vista](#)

Connect to a network. Choose an available network and click Connect. If you choose a security-enabled wireless network, input the network key and click Connect. You are now connected to a wireless network successfully. Click Close to exit. ASUS WiFi-AP @n 3-19...

[Page 38: Setting Up Wireless Security](#)

Setting up wireless security To protect your wireless network, you need to setup a security mechanism on your WiFi-AP @n. Network authentication Network authentication uses certain types of mechanism to identify authenticated wireless clients. WiFi-AP @n supports the following authentication methods: Open system: This option disables authentication protection for your wireless network.

[Page 39: Appendices](#)

Appendices The Appendices list the wireless LAN channels available for use in your country or location, and safety warning statements...

[Page 40: Wireless Lan Channels](#)

Wireless LAN channels The IEEE 802.11b/g standard for wireless LAN allocated the 2.4 GHz frequency band into 13 overlapping operating channels. Each channel corresponds to a different set of frequencies. The table below shows the center frequencies of each channel. Channel Center Frequency Channel...

[Page 41](#) United Kingdom (RTT&E/EMC/LVD) Channels 1 to 13 United States (FCC) Channels 1 to 11 Channels 1, 6 and 11 are independent and do not overlap each other. We recommended that you tune your wireless LAN adapter to these channels. ASUS WiFi-AP @n...

[Page 42: Safety Statements](#)

Safety statements Federal Communications Commission Statement This device complies with FCC Rules Part 15. Operation is subject to the following two conditions: • This device may not cause harmful interference, and • This device must accept any interference received, including interference that may cause undesired operation.

[Page 43: Regulatory Information/Disclaimers](#)

CAUTION! Any changes or modifications not expressly approved in this manual could void your authorization to use this device. MPE Statement Your device contains a low power transmitter. When device is transmitted it sends out Radio Frequency (RF) signal. ASUS WiFi-AP @n...

[Page 44: Caution Statement Of The Fcc Radio Frequency Exposure](#)

Caution Statement of the FCC Radio Frequency Exposure This Wireless LAN radio device has been evaluated under FCC Bulletin OET 65C and found compliant to the requirements as set forth in CFR 47 Sections 2.1091 and 15.247(b)(5) addressing RF Exposure from radio frequency devices. The radiation output power of this Wireless LAN device is far below the FCC radio frequency exposure limits.

This manual is also suitable for:

P5e3 premium wifi-apnWifi-ap @n