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You can read the recommendations in the user guide, the technical guide or the installation guide for TRENDNET TEW-680MB. You'll find the answers to all your questions on the TRENDNET TEW-680MB in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual TRENDNET TEW-680MB
User guide TRENDNET TEW-680MB
Operating instructions TRENDNET TEW-680MB
Instructions for use TRENDNET TEW-680MB
Instruction manual TRENDNET TEW-680MB



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Manual abstract:

Increase the separation between the equipment and receiver. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help. FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. **IMPORTANT NOTE: FCC Radiation Exposure Statement: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. The availability of some specific channels and/or operational frequency bands are country dependent and are firmware programmed at the factory to match the intended destination.**

The firmware setting is not accessible by the end user. Europe EU Declaration of Conformity This device complies with the essential requirements of the R&TTE Directive 1999/5/EC. The following test methods have been applied in order to prove presumption of conformity with the essential requirements of the R&TTE Directive 1999/5/EC: EN60950-1:2006 Safety of Information Technology Equipment 2 - EN50385 : (2002-08) Product standard to demonstrate the compliance of radio base stations and fixed terminal stations for wireless telecommunication systems with the basic restrictions or the reference levels related to human exposure to radio frequency electromagnetic fields (110MHz - 40 GHz) - General public EN 300 328 V1.7.1: (2006-10) Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband Transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using spread spectrum modulation techniques; Harmonized EN covering essential requirements under article 3.

2 of the R&TTE Directive EN 301 489-1 V1.8.1: (2008-04) Electromagnetic compatibility and Radio Spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements EN 301 489-17 V1.3.2 (2008-04) Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment; Part 17: Specific conditions for 2,4 GHz wideband transmission systems, 5 GHz high performance RLAN equipment and 5,8 GHz Broadband Data Transmitting Systems - - This device is a 2.

4 GHz wideband transmission system (transceiver), intended for use in all EU member states and EFTA countries, except in France and Italy where restrictive use applies. In Italy the end-user should apply for a license at the national spectrum authorities in order to obtain authorization to use the device for setting up outdoor radio links and/or for supplying public access to telecommunications and/or network services. This device may not be used for setting up outdoor radio links in France and in some areas the RF output power may be limited to 10 mW EIRP in the frequency range of 2454 2483.5 MHz. For detailed information the end-user should contact the national spectrum authority in France. 3 Cesky [Czech] Dansk [Danish] Deutsch [German] Eesti [Estonian] English Español [Spanish] [Greek] Français [French] Italiano [Italian] Latviski [Latvian] Lietuvi [Lithuanian] Nederlands [Dutch] Malti [Maltese] Magyar TRENDnet tímto prohlašuje, že tento TEW-680MB je ve shod se základními požadavky a dalsími příslušnými ustanoveními směrnice 1999/5/ES. Undertegnede TRENDnet erklærer herved, at følgende udstyr TEW-680MB overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF. Hiermit erklärt TRENDnet, dass sich das Gerät TEW-680MB in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet. Käesolevaga kinnitab TRENDnet seadme TEW-680MB vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele. Hereby, TRENDnet, declares that this TEW-680MB is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Por medio de la presente TRENDnet declara que el TEW-680MB cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE. TRENDnet TEW-680MB 1999/5/. Par la présente TRENDnet déclare que l'appareil TEW-680MB est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE. Con la presente TRENDnet dichiara che questo TEW-680MB è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE. Ar so TRENDnet deklari, ka TEW-680MB atbilst

Direktvas 1999/5/EK btiskajm prasbm un citiem ar to saisttajiem noteikumiem. Siuo TRENDnet deklaruoja, kad sis TEW-680MB atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas. Hierbij verklaart TRENDnet dat het toestel TEW-680MB in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG. Hawnhekk, TRENDnet jiddikjara li dan TEW-680MB jikkonforma mal-tiijiet essenzjali u ma provvedimenti orajn relevanti li hemm fid-Dirrettiva 1999/5/EC. Alulírott, TRENDnet nyilatkozom, hogy a TEW-680MB megfelel a vonatkozó 4 [Hungarian] Polski [Polish] alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak. Niniejszym TRENDnet owiadcza, e TEW-680MB jest zgodny z

zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC. TRENDnet declara que este TEW-680MB está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE. Português [Portuguese] Slovensko [Slovenian] Slovensky [Slovak] Suomi [Finnish] Svenska [Swedish] TRENDnet izjavlja, da je ta TEW-680MB v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES. TRENDnet tímto vyhlasuje, že TEW-680MB spa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES. TRENDnet) vakuuttaa täten että TEW-680MB tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen. Härmed intygar TRENDnet att denna TEW-680MB står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.



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European Union Notice: Radio products with the CE marking comply with the R&TTE Directive (1999/5/EC), the EMC Directive (89/336/EEC) and the Low Voltage Directive (73/23/EEC) issued by the Commission of the European Community. Compliance with these directives implies conformity to the following European Norms: EN 60950 Product Safety EN 300 328 Technical requirement for radio equipment EN 301 489-1/-17 General EMC requirements for radio equipment Trademark recognition All product names used in this manual are the properties of their respective owners and are acknowledged. 5 Table of

Contents Getting Started ...

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

7 Package Contents.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

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.....

.....

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.....

. 7 Minimum System Requirements

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.....

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.....

.....

7 Introduction

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.....

.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

..... *8 Features* ..

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

..... *8 Hardware Overview* ..

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.... *9 LED Indications*

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....

.....
.....
.....
.....

... 9 Rear Panel

.....
.....

.....
.....
.....

.....
.....
.....

.....
.....
.....

..... 10 Installation Considerations..

.....
.....

.....
.....
.....

.....
.....
.....

.....
.....

.. 11 Getting Started

.....
.....
.....

.....
.....
.....

.....
.....
.....

.....
.....

... 12 Installation

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....

..... *12 Using the Wizard ...*

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....

.. *13 Manual Configuration*

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

14 WPS Configuration

.....
.....

.....
.....
.....
.....

.....

.....
.....
.....
.....
.....
.....

.. 15 Completing Installation

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

.. 17 Advance Configuration...

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

..... 18 Network ...

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

.... 19 LAN Setting .

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.. 19 Wireless

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.... 20 Profile

.....

.....

.....

.....

.....

.....

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.....

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.....

.....

.....

.....

20 Site Survey

.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....

.... 22 *Link Status* .

.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....

... 23 *Statistics*

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

. 24 *Advance*

.....
.....
.....

.....
.....

.....
.....

.....
.....
.....

.....
.....
.....

..... 24 *QoS*

.....
.....

.....
.....
.....

.....
.....
.....

.....
.....
.....

.....
.....

..... 27 *WPS*

.....
.....
.....

.....
.....
.....

.....
.....
.....

.....
.....
.....

..... 28 *Administrator* ..

.....
.....

.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.. 29 Wizard ...

.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

... 29 Management

.....
.....
.....
.....

.....
.....
.....
.....

.....
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.....
.....

.....
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.....
.....

.... 29 Upload Firmware

.....
.....
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Wi-Fi protected Setup (WPS) option and press Next. 2.

Select the type of WPS configuration type you would like to use. PIN configuration requires you to input the TEW-680MB PIN information into your wireless router or AP (Access Point). Click Scan button to select the SSID that you want to connect and enter Device PIN into AP. 15 Note: Wait 120 seconds for WPS configuration to complete. 3. When selecting PBC (Push Button Configuration) method. Select PBC and press Next. Then press the WPS button on your wireless router. Note: Wait 120 seconds for WPS configuration to complete. 16 Completing Installation 1.

2. 3. 4. Once you have completed configuring the TEW-680MB. Click Apply. When the TEW-680MB reboots, unplug the power adapter and disconnect the TEW-680MB from your computer. Placed the TEW-680MB to the desired location. Please see Installation Considerations to optimal location. Plug in the power adapter into the TEW-680MB. Connect one end of a network cable to one of the TEW-680MB's LAN ports and the other end of to your media device's

(e.

g. Game Console, Blu-ray player, network enabled TV, etc.) network port. Verify that your network media device is connected to the Internet. If you cannot detect an Internet connection, verify the device settings or contact your media device's technical support.

5. 17 Advance Configuration Whenever you want to configure your TEW-680MB, you can access the Configuration Menu through your PC by opening the Web-browser and typing in the IP Address of the TEW-680MB . The TEW-680MB's default IP Address is <http://192.168.10.110>.

110 or <http://TEW-680MB.trendnet/> Open the Web browser. Type in the IP Address <http://192.168.10.110> or <http://TEW-680MB.trendnet/> If you have changed the default IP Address assigned to the TEW-680MB, make sure to enter the correct IP Address. Enter "admin" in the User name and Password field.



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Click OK. 18 Network LAN Setting LAN Connection Type Choose "Static IP (fixed IP)" if your router does not support DHCP or if for any other reason you need to assign a fixed address to the AP.

In this case, you must also configure the following fields. IP Address The IP address of the media bridge on the local area network. Assign any unused IP address in the range of IP addresses available from your network. For example, 192.168.10.110 Subnet Mask The subnet mask of the local area network.

Default Gateway The IP address of the router on the local area network. 19 Wireless Profile Create a custom connection to a specific wireless network.

@@@The profile can be edited, deleted and made active from this option.

@@@None No encryption. @@WEP is not as secure as WPA encryption. To gain access to a WEP network, you must know the key. The key is a string of characters that you create. When using WEP, you must determine the level of encryption.

The type of encryption determines the key length. 128-bit encryption requires a longer key than 64-bit encryption. @@@@The ASCII string is converted to HEX for use over the network. Four keys can be defined so that you can change keys easily. A default key is selected for use on the network.

@@@Click on the Scan button to search for wireless network to join. @@@@Rescan Use this option to scan for available wireless networks.. @@@@Extra Info Display the link status. Channel Displays the channel used currently. @@@@When applied the TEW-680MB will only operate at 802.11 a speeds. @@@@5GHz 802.11 A/N mixed This wireless mode allows the TEW-680MB to connect to only 5GHz wireless frequency. But the highest data rate supported in this mode is 450Mbps.

However the wireless router or access point will need to have similar 450Mbps feature. 2.4GHz 802.11 n only This wireless mode works in the 2.4GHz frequency range and will only allow the use of wireless n client devices to connect and access the TEW-680MB. Although the wireless n operates in the 2.4GHz frequency, this mode will only permit wireless n client devices to work and will exclude any other wireless mode and devices that are not wireless n only. 802.11A/B/G/N mixed mode This wireless mode works in the 2.4GHz and 5GHz frequency range.

It allows wireless b, wireless g and wireless a clients to connect and access the TEW-680MB. Wireless b will run at 11Mbps, wireless g or wireless a will operate at 54Mbps. In order for the TEW-680MB at 450Mbps the access point or router will need to support 450Mbps on either 5GHz or 2.4GHz frequency band. 25 Renew Ethernet IP Enable this option to allow the TEW-680MB to automatically pass DHCP to connected LAN (wired) clients.

HT Mode Mixed Mode: In this mode packets are transmitted with a preamble compatible with the legacy 802.11g/n, the rest of the packet has a new format. In this mode the receiver shall be able to decode both the Mixed Mode packets and legacy packets. Green Field: In this mode high throughput packets are transmitted without a legacy compatible part. Channel Bandwidth Set channel width of wireless radio.

20 Channel Width = 20 MHz 20/40 Channel Width = 20/40 MHz (additional channel provides better performance) Guard Interval Support Short/Long GI, the purpose of the guard interval is to introduce immunity to propagation delays, echoes and reflections, to which digital data is normally very sensitive. Long Auto Using "Auto" option can increase throughput. However, it can also increase error rate in some installations, due to increased sensitivity to radio-frequency reflections. Select the option that works best for your installation. MCS Fix MCS rate for HT rate. (Auto, 0~32) The Modulation and Coding Scheme (MCS) is a value that determines the modulation, coding and number of spatial channels. This parameter represents transmission rate. By default (Auto) the fastest possible transmission rate will be selected. You have the option of selecting the speed if necessary. MPDU Aggregation Select this option to enable MPDU aggregation 26 QoS WMM Power Saving An option that allows wireless clients such as notebooks or Laptops to save battery life by sending less transmission during idle times.

Add a check mark to enable this option. PS Mode Used for specific application when using WMM Power Saving mode is enabled, use this feature to help with Quality of Service (QoS) settings; these settings are polled by the priority given to the option in this section. AC_BE= Best Effort AC_BK= Background AC_VI= Video signal AC_VO=Voice signal The options allow users to select which Access Category is needed to turn on while the power saving mode is enabled. 27 WPS You can setup security easily by choosing PIN or PBC method to do Wi-Fi Protected Setup. PIN Start or PBC Start Enable the WPS feature. PIN Settings A PIN is a unique number that can be used to add to the router and use that as an authentication key to join the existing wireless network. Client PIN Shows the current value of the adapter. Renew PIN Create a random number that is a valid PIN. This becomes the adapter's PIN. You can then copy this PIN to the wireless router's WPS section.

PBC Settings The push button method can be used to allow wireless clients to connect to the router without entering/remember any encryption keys. The user can use the PBC method by pressing the WPS button on the side of the router or select the Start PBC option here. 28 Administrator Wizard You could use Wizard to help you setting TEW-680MB again. Management At this page, you can configure administrator account and password. Password This option allows you to change the login password 29 Idle Time Use this option to set the idle time allowed before the TEW-680MB requires login information. Device Name Use this option to change the name or your device that will be used on your network. Device URL This option allows you to change the login URL of the device. It is advisable to only change the default URL of "TEW-680MB" leaving ".trendnet" Upload Firmware By assigning firmware location, you can upload firmware at this page. Once you have a firmware saved on your computer, use this option upload the firmware.

Click on Browse and select the firmware file, then click Apply to upload the file into the adapter. Note: Any disruption during the firmware upgrade process can damage the device. It is recommended that this process is conducted on a wired computer and not wireless. 30 Setting Management You can save system settings by exporting them to a configuration file, restore them by importing the file, or reset them to factory default. Export Settings This option allows you to export and then save the router's configuration to a file on your computer. Be sure to save the configuration before performing a firmware upgrade. Import Settings Use this option to restore previously saved router configuration settings. Load Factory Default This option restores all configuration settings back to the settings that were in effect at the time the router was shipped from the factory.



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Any settings that have not been saved will be lost. If you want to save your router configuration settings, use the Export Settings option above.

System Reboot This restarts the router. It is useful for restarting when you are not near the device. **31 Status** You can check system information and network configurations on this page. **32 Glossary**

A Access Control List ACL. This is a database of network devices that are allowed to access resources on the network. **Access Point AP.** Device that allows wireless clients to connect to it and access the network **Ad-hoc network Peer-to-Peer network** between wireless clients **Address Resolution Protocol ARP.** Used to map MAC addresses to IP addresses so that conversions can be made in both directions. **Advanced Encryption Standard AES.** Government encryption standard **Alphanumeric Characters A-Z and 0-9** **Antenna** Used to transmit and receive RF signals. **ASCII** American Standard Code for Information Interchange. This system of characters is most commonly used for text files **Attenuation** The loss in strength of digital and analog signals. The loss is greater when the signal is being transmitted over long distances. **Authentication** To provide credentials, like a Password, in order to verify that the person or device is really who they are claiming to be **Automatic Private IP Addressing APIPA.** An IP address that that a Windows computer will assign itself when it is configured to obtain an IP address automatically but no DHCP server is available on the network **B Backward Compatible** The ability for new devices to communicate and interact with older legacy devices to guarantee interoperability **33 Bandwidth** The maximum amount of bytes or bits per second that can be transmitted to and from a network device **Beacon** A data frame by which one of the stations in a Wi-Fi network periodically broadcasts network control data to other wireless stations.

Bit rate The amount of bits that pass in given amount of time **Bit/sec** Bits per second **BOOTP** Bootstrap Protocol. Allows for computers to be booted up and given an IP address with no user intervention **Broadcast** Transmitting data in all directions at once **Browser** A program that allows you to access resources on the web and provides them to you graphically **C** **CAT 5** Category 5. Used for 10/100 Mbps or 1Gbps Ethernet connections **Client** A program or user that requests data from a server **Collision** When do two devices on the same Ethernet network try and transmit data at the exact same time. **Cookie** Information that is stored on the hard drive of your computer that holds your preferences to the site that gave your computer the cookie **D** **Data** Information that has been translated into binary so that it can be processed or moved to another device **Data-Link layer** The second layer of the OSI model. Controls the movement of data on the physical link of a network **34 dBd** Decibels related to dipole antenna **dBi** Decibels relative to isotropic radiator **dBm** Decibels relative to one milliwatt **Decrypt** To unscramble an encrypted message back into plain text **Default** A predetermined value or setting that is used by a program when no user input has been entered for this value or setting **DHCP** Dynamic Host Configuration Protocol: Used to automatically assign IP addresses from a predefined pool of addresses to computers or devices that request them **Digital certificate:** An electronic method of providing credentials to a server in order to have access to it or a network **Direct Sequence Spread Spectrum DSSS:** Modulation technique used by 802.11b wireless devices **DNS** Domain Name System: Translates Domain Names to IP addresses **Domain name** A name that is associated with an IP address **Download** To send a request from one computer to another and have the file transmitted back to the requesting computer **Duplex** Sending and Receiving data transmissions at the same time **Dynamic IP address** IP address that is assigned by a DHCP server and that may change. **Cable Internet** providers usually use this method to assign IP addresses to their customers. **E** **EAP** Extensible Authentication Protocol **Encryption** Converting data into cipher text so that it cannot be easily read **35 Ethernet** The most widely used technology for Local Area Networks. **F** **File server** A computer on a network that stores data so that the other computers on the network can all access it **File sharing** Allowing data from computers on a network to be accessed by other computers on the network with different levels of access rights **Firewall** A device that protects resources of the Local Area Network from unauthorized users outside of the local network **Firmware** Programming that is inserted into a hardware device that tells it how to function **Fragmentation** Breaking up data into smaller pieces to make it easier to store **FTP** File Transfer Protocol. Easiest way to transfer files between computers on the Internet **Full-duplex** Sending and Receiving data at the same time **G** **Gain** The amount an amplifier boosts the wireless signal **Gateway** A device that connects your network to another, like the internet **Gbps** Gigabits per second **Gigabit Ethernet** Transmission technology that provides a data rate of 1 billion bits per second **GUI** Graphical user interface **H** **Half-duplex** Data cannot be transmitted and received at the same time **Hashing** Transforming a string of characters into a shorter string with a predefined length **36 Hexadecimal Characters** 0-9 and A-F **Hop** The action of data packets being transmitted from one AP to another **Host Computer** on a network **HTTP** Hypertext Transfer Protocol is used to transfer files from HTTP servers (web servers) to HTTP clients (web browsers) **HTTPS** HTTP over SSL is used to encrypt and decrypt HTTP transmissions **Hub** A networking device that connects multiple devices together **I** **ICMP** Internet Control Message Protocol **IEEE** Institute of Electrical and Electronics Engineers **IGMP** Internet Group Management Protocol is used to make sure that computers can report their multicast group membership to adjacent APs **IIS** Internet Information Server is a WEB server and FTP server provided by Microsoft **Infrastructure** In terms of a wireless network, this is when wireless clients use an Access Point to gain access to the network **Internet** A system of worldwide networks which use TCP/IP to allow for resources to be accessed from computers around the world **Internet Explorer** A World Wide Web browser created and provided by Microsoft **Internet Protocol** The method of transferring data from one computer to another on the Internet **Internet Protocol Security IPsec** provides security at the packet processing layer of network communication **Internet Service Provider** An ISP provides access to the Internet to individuals or companies **37 Intranet** A private network **Intrusion Detection** A type of security that scans a network to detect attacks coming from inside and outside of the network **IP** Internet Protocol **IP address** A 32-bit number, when talking about Internet Protocol Version 4, that identifies each computer that transmits data on the Internet or on an Intranet **IPsec** Internet Protocol Security **IPX** Internetwork Packet Exchange is a networking protocol developed by Novell to enable their Netware clients and servers to communicate **ISP** Internet Service Provider **J** **Java** A programming language used to create programs and applets for web pages **K** **Kbps** Kilobits per second **Kbyte** Kilobyte **L** **LAN** Local Area Network **Latency** The amount of time that it takes a packet to get from the one point to another on a network.



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Also referred to as delay LED Light Emitting Diode Legacy Older devices or technology Local Area Network A group of computers in a building that usually access files from a server 38 LPR/LPD "Line Printer Requestor"/"Line Printer Daemon". A TCP/IP protocol for transmitting streams of printer data. L2TP Layer 2 Tunneling Protocol M MAC address A unique hardware ID assigned to every Ethernet adapter by the manufacturer. Mbps Megabits per second MDI Medium Dependent Interface is an Ethernet port for a connection to a straight-through cable MDIX Medium Dependent Interface Crossover, is an Ethernet port for a connection to a crossover cable MIB Management Information Base is a set of objects that can be managed by using SNMP Modem A device that Modulates digital signals from a computer to an analog signal in order to transmit the signal over phone lines. It also Demodulates the analog signals coming from the phone lines to digital signals for your computer MPPE Microsoft Point-to-Point Encryption is used to secure data transmissions over PPTP connections MTU Maximum Transmission Unit is the largest packet that can be transmitted on a packet-based network like the Internet Multicast Sending data from one device to many devices on a network N NAT Network Address Translation allows many private IP addresses to connect to the Internet, or another network, through one IP address NetBEUI NetBIOS Extended User Interface is a Local Area Network communication protocol.

This is an updated version of NetBIOS 39 NetBIOS Network Basic Input/Output System Netmask Determines what portion of an IP address designates the Network and which part designates the Host Network Interface Card A card installed in a computer or built onto the motherboard that allows the computer to connect to a network Network Layer The third layer of the OSI model which handles the routing of traffic on a network Network Time Protocol Used to synchronize the time of all the computers in a network NIC Network Interface Card NTP Network Time Protocol O OFDM Orthogonal Frequency-Division Multiplexing is the modulation technique for both 802.11a and 802.wireless g OSI Open Systems Interconnection is the reference model for how data should travel between two devices on a network OSPF Open Shortest Path First is a routing protocol that is used more than RIP in larger scale networks because only changes to the routing table are sent to all the other APs in the network as opposed to sending the entire routing table at a regular interval, which is how RIP functions P Password A sequence of characters that is used to authenticate requests to resources on a network Personal Area Network The interconnection of networking devices within a range of 10 meters Physical layer The first layer of the OSI model. Provides the hardware means of transmitting electrical signals on a data carrier 40 Ping A utility program that verifies that a given Internet address exists and can receive messages. The utility sends a control packet to the given address and waits for a response. PoE Power over Ethernet is the means of transmitting electricity over the unused pairs in a category 5 Ethernet cable Port A logical channel endpoint in a network. A computer might have only one physical channel (its Ethernet channel) but can have multiple ports (logical channels) each identified by a number. PPP Point-to-Point Protocol is used for two computers to communicate with each other over a serial interface, like a phone line PPPoE Point-to-Point Protocol over Ethernet is used to connect multiple computers to a remote server over Ethernet PPTP Point-to-Point Tunneling Protocol is used for creating VPN tunnels over the Internet between two networks Preamble Used to synchronize communication timing between devices on a network Q QoS Quality of Service R RADIUS Remote Authentication Dial-In User Service allows for remote users to dial into a central server and be authenticated in order to access resources on a network Reboot To restart a computer and reload it's operating software or firmware from nonvolatile storage. Rendezvous Apple's version of UPnP, which allows for devices on a network to discover each other and be connected without the need to configure any settings 41 Repeater Retransmits the signal of an Access Point in order to extend it's coverage RIP Routing Information Protocol is used to synchronize the routing table of all the APs on a network RJ-11 The most commonly used connection method for telephones RJ-45 The most commonly used connection method for Ethernet RS-232C The interface for serial communication between computers and other related devices RSA Algorithm used for encryption and authentication S Server A computer on a network that provides services and resources to other computers on the network Session key An encryption and decryption key that is generated for every communication session between two computers Session layer The fifth layer of the OSI model which coordinates the connection and communication between applications on both ends Simple Mail Transfer Protocol Used for sending and receiving email Simple Network Management Protocol Governs the management and monitoring of network devices SIP Session Initiation Protocol. A standard protocol for initiating a user session that involves multimedia content, such as voice or chat. SMTP Simple Mail Transfer Protocol SNMP Simple Network Management Protocol SOHO Small Office/Home Office 42 SPI Stateful Packet Inspection SSH Secure Shell is a command line interface that allows for secure connections to remote computers SSID Service Set Identifier is a name for a wireless network Stateful inspection A feature of a firewall that monitors outgoing and incoming traffic to make sure that only valid responses to outgoing requests are allowed to pass through the firewall Subnet mask Determines what portion of an IP address designates the Network and which part designates the Host Syslog System Logger -- a distributed logging interface for collecting in one place the logs from different sources. Originally written for UNIX, it is now available for other operating systems, including Windows. T TCP Transmission Control Protocol TCP/IP Transmission Control Protocol/Internet Protocol TCP Raw A TCP/IP protocol for transmitting streams of printer data. TFTP Trivial File Transfer Protocol is a utility used for transferring files that is simpler to use than FTP but with less features Throughput The amount of data that can be transferred in a given time period Traceroute A utility displays the routes between you computer and specific destination U UDP User Datagram Protocol Unicast Communication between a single sender and receiver 43 Universal Plug and Play A standard that allows network devices to discover each other and configure themselves to be a part of the network Upgrade To install a more recent version of a software or firmware product Upload To send a request from one computer to another and have a file transmitted from the requesting computer to the other UPnP Universal Plug and Play URL Uniform Resource Locator is a unique address for files accessible on the Internet USB Universal Serial Bus UTP Unshielded Twisted Pair V Virtual Private Network VPN: A secure tunnel over the Internet to connect remote offices or users to their company's network VLAN Virtual LAN Voice over IP Sending voice information over the Internet as opposed to the PSTN VoIP Voice over IP W Wake on LAN Allows you to power up a computer though it's Network Interface Card WAN Wide Area Network WCN Windows Connect Now.



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A Microsoft method for configuring and bootstrapping wireless networking hardware (access points) and wireless clients, including PCs and other devices.
44 WDS Wireless Distribution System. A system that enables the interconnection of access points wirelessly. Web browser A utility that allows you to view content and interact with all of the information on the World Wide Web WEP Wired Equivalent Privacy is security for wireless networks that is supposed to be comparable to that of a wired network Wi-Fi Wireless Fidelity Wi-Fi Protected Access An updated version of security for wireless networks that provides authentication as well as encryption Wide Area Network The larger network that your LAN is connected to, which may be the Internet itself, or a regional or corporate network Wireless ISP A company that provides a broadband Internet connection over a wireless connection Wireless LAN Connecting to a Local Area Network over one of the 802.11 wireless standards WISP Wireless Internet Service Provider WLAN Wireless Local Area Network WPA Wi-Fi Protected Access. A Wi-Fi security enhancement that provides improved data encryption, relative to WEP.

X xDSL A generic term for the family of digital subscriber line (DSL) technologies, such as ADSL, HDSL, RADSL, and SDSL. Y Yagi antenna A directional antenna used to concentrate wireless signals on a specific location Z 45 Specifications HARDWARE Standards Interface LED Indicator Power Buttons Power Consumption Dimensions (LxWxH) Weight Temperature Humidity Certifications WIRELESS Frequency Antenna Data Rate (auto fallback) FCC: 2.412~2.462 GHz, 5.180~5.240 GHz, 5.725~5.850 GHz ETSI: 2.412~2.472 GHz, 5.

150~5.250 GHz 3 built-in antennas 802.11a: up to 54Mbps 802.11b: up to 11Mbps 802.11g: up to 54Mbps 802.11n: up to 450Mbps 802.11a: 13dBm (typical) 802.11b: 18dBm (typical) 802.11g: 15dBm (typical) 802.11n : 13dBm +/- 1 dBm (typical) (for 2.

4 & 5GHz) 802.11a: -71dBm (typical) 802.11b: -84dBm (typical) 802.11g: -72dBm (typical) 802.11n: -65dBm +/- 1 dBm (typical) (for 2.

4 & 5GHz) 64/128-bit WEP, WPA/WPA2-PSK 2.4GHz: 1~11 (FCC), 1~13 (ETSI) 5GHz: 36, 40, 44, 48, 149, 153, 157, 161 and 165 (FCC), 36, 40, 44, 48 (ETSI) 46 IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, and IEEE 802.

11n 4 x 10/100/1000Mbps Auto-MDIX LAN ports Power, LAN 1~4, Wireless, WPS 12V DC 1A power adapter Reset button restores factory default settings WPS button enables WPS function 10.5 Watts (max) 60 x 118 x 135 mm (2.4 x 4.6 x 5.3 in.) 153 g (5.4 oz.) Operating: 0° ~ 40° C (32° ~ 104° F) Storage: -20° ~ 65° C (-4° ~ 149° F) Max. @@@@ All products that are replaced become the property of TRENDnet. Replacement products may be new or reconditioned.

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