RT360W-D56 Wireless Broadband USB AP

ASKEY's RT360W-D56 is 802.11g Wireless Access Point & USB Print Server features and 1-port LAN . The 802.11g Access Point features allow PCs/Notebooks with wireless card that adapts 802.11g technology to connect to the Ethernet. Through the LAN connection to connect Local Area Network.

[Hardware Specifications]

Main Chip Sets

- Processor: Broadcom BCM4702 125MHz R3000 MIPS32 CPU
- 54g (draft IEEE802.11g) Broadcom Radio
  - BCM4306 MAC and Baseband Processor
  - BCM2050 Radio
- Memory
  - 4MB Flash
  - 16MB SDRAM

Interface

- One 2.4GHz 54g RF interface for Wireless LAN connection
- One 10/100 Mbps RJ-45 Ethernet LAN connection
- Two USB 1.1 Ports for printer connection

Radio Characteristics

- Standard: IEEE 802.11b (Wi-Fi) and 54g (draft IEEE802.11g)
- Frequency Band (ISM Band):
  - 2.412 ~ 2.4835 GHz
- Spreading:
  - Direct Sequence Spread Spectrum (11-chip Barker sequence)
- Modulation
  - OFDM: 54, 48, 36, 24, 18, 12, 9, and 6 Mbps
  - CCK: 11 , and 5.5 Mbps
  - DQPSK: 2 Mbps
  - DBPSK: 1 Mbps
- Number of Channels:
  - 802.11b : 1 - 11 (FCC),

- 54g : 1 - 11 (FCC)
- Data Rate:
  - 54g
    - 54 Mbps
    - 48 Mbps
    - 36 Mbps
    - 24 Mbps
    - 18 Mbps
    - 12 Mbps
    - 9 Mbps
    - 6 Mbps
  - 802.11b
    - 11 Mbps
    - 5.5 Mbps
    - 2 Mbps
    - 1 Mbps
- Antenna:
  - One external antenna
- RF Output Power:
  - 15 dBm (typical)
- Range:
  - 54 Mbps range in a typical office environment of up to 30 m and line-of-sight (LOS) up to 150 m
  - 11 Mbps range in a typical office environment of up to 60 m and line-of-sight (LOS) up to 300 m
  - 1 Mbps range in a typical office environment of up to 120 m and LOS up to 650 m
  - Range differs by environment
- Power Consumption:
  - TX: TDB mA
  - RX: TDB mA
- Receiver Sensitivity: Per <8% @ length 1024 octets
  - 54 Mbps: TDB dBm
  - 11 Mbps: -80 dBm
  - 5.5 Mbps: -88 dBm
  - 2 Mbps: -91 dBm
  - 1 Mbps: -93 dBm
- WEP Hardware Engine
  - 64 Bits

– 128 Bits

Power and Operation Environment

- Power Input:
  - 5 Volts DC, 2 A
- Temperature
  - Operating: 0°C to 40°C
  - Storage: -10°C to 65°C
- Humidity:
  - 5% to 80% (non-condensing)

LED Indicators

- POWER
- WLAN (two color)
- WAN (two color)
- HOST
- ERROR

Physical

- **PCB Dimensions**: 100 mm (L) × 90 mm (W)

[Software Specifications]

- Web Management Interface

- 11G wireless capability

- LPR/LPD protocol

- This standard LPR/LPD support makes the print server easily work with all different Windows OSs and almost all different variations of Unix.

- Internet Printing Protocol (IPP/1.1)

- IPP is a relatively newer printing protocol; it gets widely supported recently. Microsoft has built-in IPP support on Windows 2000/XP.

- Support Netbeui (Samba/Windows)

- This will enable a printer device showing up on Windows machine networking neighborhood. By double-clicking the printer icon, windows guides user through the process of installing the driver for the printer.

- AppleTalk (Mac)

- To work with MAC running AppleTalk protocol. Only support postscript printers.

- Unix Text File Support

- Can configure automatically to convert LF to CR+LF

- IP Finder utility

- Find the IP address of print server and then link to print server's web management page.

- Test button

- A SW printing test button in print server's web management page.

WARNING TEXT

General purpose

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.

(2) This device must accept any interference received, including interference that may cause undesired operation.

802.11b Restrictions

- European standards dictate maximum radiated transmit power of 100mW EIRP and frequency range 2.400-2.4835GHz;
- In France, the equipment must be restricted to the 2.4465-2.4835GHz frequency range and must be restricted to indoor use."

15.105 Federal Communications Commission (FCC) Requirements, Part 15

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

---Reorient or relocate the receiving antenna.

---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.

Safety Information

In order to maintain compliance with the FCC RF exposure guidelines, this equipment should be installed and operated with minimum distance 20cm between the radiator and your body. Use only with supplied antenna. Unauthorized antenna, modification, or attachments could damage the transmitter and may violate FCC regulations.

Regulatory information / Disclaimers

Installation and use of this Wireless LAN device must be in strict accordance with the instructions included in the user documentation provided with the product. Any changes or modification (including the antennas) made to this device that is not expressly approved by the manufacturer may void the user's authority to operate the equipment. The manufacturer is not responsible for any radio or television interference caused by unauthorized modification of this device, or the substitution of the connecting cables and equipment other than manufacturer specified. It is the responsibility of the user to correct any interference caused by such unauthorized modification, substitution or attachment. Manufacturer and its authorized resellers or distributors will assume no liability for any damage or violation of government regulations arising from failing to comply with these guidelines.

MPE Statement (Safety Information)

Your device contains a low power transmitter. When device is transmitted it sends out Radio Frequency (RF) signal.

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