

Features

- . High speed Wire and Wireless connectivity
- . Support 802.11 a/b/g/n standards
- . Dual concurrent 2x2 MIMO 5GHz and 2.4GHz Radios Platform
- . 300Mbps Exceptional performance Breakthrough
- . Built-in Lightning Protection Circuits
- . IP68 NEMA Enclosure Rating for Outdoor Applications

Technical Specifications

● Standards Compliance

- IEEE 802.11a/b/g/n; IEEE802.3; IEEE802.3u; IEEE802.3x

● MCU

- Atheros AR7141

● RF

- Atheros AR9220(5GHz Backhaul) + AR9223(2.4GHz AP)

● SDRAM

- 32 M Byte

● Flash

- 8 M Byte

● Physical Interfaces

- Auto sensing MDI/MDI-X Ethernet 10/100Base-T x 1: RJ-45

● 802.11 a/n (2x2) Radio

● Radio Frequency Type

- OFDM

● Modulation

- IEEE 802.11a/n: OFDM with BPSK, QPSK, 16QAM, 64QAM

● Frequency Band

- 5.15 ~ 5.35 GHz
- 5.47 ~ 5.725 GHz
- 5.725 ~ 5.825 GHz

● Transmission Power

- 23dBm(max)

● Antenna Port

- N-type female

● Sensitivity

- IEEE 802.11a: -96dBm @ 6Mbps; -83dBm @ 54Mbps
- IEEE 802.11n: -95dBm @ HT20; -91dBm @ HT40

● Security Systems

- 64-bit/128-bit/152-bit WEP and WPA (-PSK with TKIP/AES) encryption

● Wireless Setting

- Operation Mode – Bridge PtP and PtMP (up to 4 links)

● 802.11 b/g/n (2x2) Radio

● Radio Frequency Type

- DSSS

● Modulation

- IEEE 802.11b/g: OFDM with BPSK, QPSK, 16QAM, 64QAM
- IEEE 802.11n: DSSS; DBPSK, DQPSK, CCK

● Frequency Band

- 2.412~2.4835GHz

● Transmission Power

- 26dBm(max)

● Transmission Rate

- IEEE 802.11 b/g: 6/9/12/18/24/36/48/54 Mbps
- IEEE 802.11n

- **Transmission Rate**
 - IEEE 802.11a: 6/9/12/18/24/36/48/54 Mbps
 - IEEE 802.11n
- **Operating Environment**
- **Operating Temperature**
 - 35 ~ +70°C
- **Storage Temperature**
 - 40 ~ +80°C
- **Humidity**
 - 0 ~ 95% (Non-Condensing)
- **Altitude**
 - 4,572m
- **Lightning Protection**
 - IEC 1000-4-2/ Instant Surge 4 KV
- **Wind Loading**
 - 90 mph(operational), 125mph(Survival)
- **Power Supply**
- **Power Source**
 - PoE DC 48 Volt + 5%; 40Watt (Max.); AC adapter AC 100V ~ 240V
- **Power Consumption**
 - 15W Typical
- **Network Management System OS Support**
 - Windows 2000 /XP /Vista /Windows 7
- **Warranty**
 - One year limited
- **Antenna Port**
 - N-type female
- **Sensitivity**
 - IEEE 802.11b/g: -96dBm @ 6Mbps; -83dBm @ 54Mbps
 - IEEE 802.11n: -96dBm @ HT20; -90dBm @ HT40
- **Security Systems**
 - 64-bit/128-bit/152-bit WEP encryption; WPA/WPA2 (-PSK with TKIP/AES) encryption
- **Wireless Setting**
 - Operation Mode – AP
 - MAC based access control
 - Suppress SSID
- **Software/Firmware**
 - DHCP Server/ Client/ Relay
 - Suppressed SSID
 - Wireless access control by MAC address filter (up to 50 fields)
 - Support Multiple SSID (up to 16 SSIDs)
 - Web-based configuration via popular browser (MS IE, Netscape...)
 - Remote Firmware upgrade via HTTP and configuration backup via Web
 - Reset to default by WebUI
 - VPN pass-through (PPTP, L2TP, IPSEC)
 - SNMP v1/v2c
 - MIB support: MIB I, MIB II (RFC-1213) and Private MIB
 - Long distance Bridge transmission: up to 1~35 Km (ACK timeout control)
 - Support PPPoE Client, PPPoE pass-through