



ETC-AL002A

Hi-Power 2.4GHz 11b/g PicoStation AP

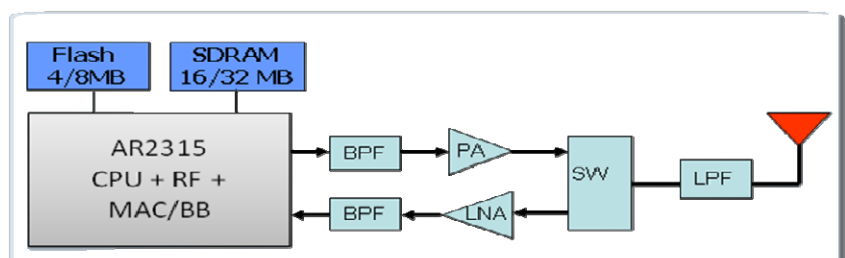
The ETC-AL002A supports the 802.11b/g (2.4GHz) wireless standards. It can switch to multiple modes, such as AP (WDS), Router, Repeater, Client and Client router.

Small size and high power RF power make it easy to install, and you'll experience the best wireless connectivity available.

Features

- High Output Power up to 27dBm
- Passive PoE
- H/W WatchDog
- Temperature: -30~75°C
- Lightning protector (Optional)
- On board Chip Antenna (Optional)
- 2.4GHz IEEE 802.11b/g standard
- High output Power of 27dBm max on 11b.
- Transmission Power Control(TPC)
- Multi-country Roaming Support(IEEE 802.11d)
- Point-to-point, Point-to-multipoint Wireless Connectivity
- Operating Temperature: -30~75°C
- WDS (Wireless Distributed System)
- Passive PoE
- WPA/WPA2/ IEEE 802.1x support
- H/W WatchDog
- Lightning protector (Optional)
- 32/16MB SDRAM, 8/4MB Flash
- Open-Mesh f/w supported
- OpenWRT f/w supported
- On board Chip Antenna (Optional)
- 3 colors LED for WLAN performance

Diagram



ETC-AL002A Hi-Power 2.4GHz 11b/g PicoStation AP Specification

| Product Description | | | | | | | | |
|--|---|--|----------|---------|---------------------------|---------|---------|---------|
| Hi-Power 2.4GHz 11b/g PicoStation AP | | | | | | | | |
| Chipset | | | | | | | | |
| Atheros AR2315 | | | | | | | | |
| Operating Frequency(IEEE 802.11b/g) | | | | | | | | |
| USA(FCC) | | 2412MHz~2462MHz(CH1~CH11) | | | | | | |
| Europe(ETSI) | | 2412MHz~2472MHz(CH1~CH13) | | | | | | |
| Japan(TELEC) | | 11b:2412MHz~2484MHz(CH1~CH14) / 11g: 2412MHz~2472MHz(CH1~CH13) | | | | | | |
| Modulation(OFDM and DSSS) | | | | | | | | |
| IEEE 802.11g | | 48/54 Mbps (QAM64), 24/36 Mbps (QAM16), 12/18 Mbps (QPSK), 6/9 Mbps (BPSK) | | | | | | |
| IEEE 802.11b | | 5.5/11 Mbps (CCK), 2 Mbps (DQPSK), 1 Mbps (DBPSK) | | | | | | |
| I/O Interface | | | | | | | | |
| Serial Interface | | RS232 | | | | | | |
| Radio/ Antenna | | RP-SMA/ UFL | | | | | | |
| Networking Interface | | 1 X 10/100 BASE-TX (Cat. 5, RJ-45) Ethernet Interface | | | | | | |
| Power input | | | | | DC Voltage Rating | | | |
| 12V/1.0A Passive PoE | | | | | 5~20V DC input | | | |
| RF Output Power(± 1dBm) | | | | | | | | |
| 802.11b | | Min. | | Typical | | Max. | | |
| 11/5.5/2/1Mbps | | 26 | | 26 | | 26 | | |
| 802.11g | | Min. | | Typical | | Max. | | |
| 54Mbps | | 22 | | 23 | | 24 | | |
| 48Mbps | | 23 | | 24 | | 25 | | |
| 36Mbps | | 24 | | 25 | | 26 | | |
| <24Mbps | | 25 | | 26 | | 27 | | |
| TX EVM (± 1dB) | | | | | | | | |
| 11g | 54Mbps | 48Mbps | 36Mbps | 24Mbps | 18Mbps | 12Mbps | 9 Mbps | 6 Mbps |
| | -28 | -26 | -22 | -19 | -16 | -13 | -11 | -8 |
| Sensitivity(IEEE 802.11b @ Packet Error Rate<8%, IEEE 802.11g @ Packet Error Rate<10%) | | | | | | | | |
| 11b | 11 Mbps | | 5.5 Mbps | | 2 Mbps | | 1 Mbps | |
| | -91 dBm | | -93 dBm | | -95 dBm | | -96 dBm | |
| 11g | 54Mbps | 48Mbps | 36Mbps | 24Mbps | 18Mbps | 12Mbps | 9 Mbps | 6 Mbps |
| | -74 dBm | -77dBm | -82 dBm | -85 dBm | -90dBm | -91 dBm | -93 dBm | -94 dBm |
| Environment | | | | | | | | |
| | Temperature (Ambient) | | | | Humidity (non-condensing) | | | |
| Operating | -30~75°C | | | | 10~90% | | | |
| Storage | -40~85°C | | | | 5~95% | | | |
| Physical Specification | | | | | | | | |
| Dimension | LxWxH(mm) 86x65x17mm/ 85x60x17mm (without chip antenna) | | | | | | | |