



## AP-A2427-27

### 802.11b/g 500mW Wireless Outdoor AP/Bridge

- ✦ 802.11b/g All-In-One Outdoor AP, Compact Palm Size
- ✦ Atheros solution, 27dBm Output Power
- ✦ AP, Bridge, Multiple Bridge, AP Client, CPE Router modes
- ✦ Weather proof IP67 compliant Aluminum enclosure with N-Type Connector
- ✦ Watchdog, Network Security, SNMP Management control



#### 802.11b/g AP

AP-A2427-27 outdoor AP is an 802.11 b/g all-in-one device that is designed to operate in the 2.4GHz band. The device with high performance Atheros 11b/g radio allows the longest transmission distance. The device in weatherproof aluminum enclosure offers a cost-effective solution for hotspot to make Point-to-Point and Point to Multi-Point solution

#### All-In-One device with N-Type Connector

AP-A2427-27 is an all-in-one device with integrated Power Over Ethernet (PoE), and the special designed water-proof cap for Ethernet RJ-45 connector to access long distance of network without extra power adapter and extra booster to enlarge the output power. A complete package with a DC injector unit, water-proof cap, 12V DC Power adapter, and standard pole mount kit are included.

#### Multiple Security Functions

AP-A2427-27 complies with 802.11b and 802.11g standard. Through the Web management interface, you can run in AP, Bridge, Multiple Bridge, AP Client, or CPE Router. A multiple security functions includes SSID hiding, Access Control, WEP based encryption (64, 128, 256 bits), enhanced Security with 802.1x using a primary and a backup Radius Server with/without dynamic WEP keys, WPA-PSK, and WPA to prevent unauthorized access. Bandwidth setting allows for managing the uplink and downlink throughput speed. SNMP commands from a remote SNMP management station.

#### Accessories



PoE DC Injector



12V Power Adapter



Pole Mount Kit

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## Specification

### Hardware

- CPU/BB.MAC: Atheros 213
- Radio: Atheros 5112
- H/W watch dog (Inside AR2313)
- 8MB flash
- 32MB SDRAM

### Interfaces

- 10/100Mbps auto crossover Ethernet WAN Port (RJ45)  
(For connecting to 3rd party network device)
- Built-in N-Type connector for higher gain antenna

### Standard

- IEEE802.11b, 802.11g  
IEEE802.3u (10/100BaseTx)

### Frequency Band

- USA (FCC): 2.412GHz ~ 2.462GHz (CH1~CH11)
- Europe (ETSI): 2.412GHz ~ 2.472GHz (CH1~CH13)
- Japan (TELEC): 2.412GHz ~ 2.484GHz (CH1~CH14)

### Modulation Technology

- 802.11g : OFDM (64-QAM, QPSK, BPSK)
- 802.11b : DSSS (DBPSK, DQPSK, CCK)

### Data Rate with Automatic Fallback

- 802.11b: 1, 2, 5.5, 11 Mbps
- 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps

### Transmit Power

- 11g: 22 1dBm@64QAM / 58 & 48M (adjustable)
- 11b: 26 1dBm@CCK/1M

### Sensitivity

- **IEEE802.11g**
  - 54Mbps (64QAM): ~-74dBm
  - 48Mbps (64QAM): ~-76dBm
  - 36Mbps (16QAM): ~-78dBm
  - 24Mbps (16QAM): ~-80dBm
  - 18Mbps (QPSK): ~-81dBm
  - 12Mbps (QPSK): ~-82dBm
  - 9Mbps (BPSK): ~-85dBm
  - 6Mbps (BPSK): ~-91dBm
- **IEEE802.11b**
  - 1, 2Mbps (BPSK, QPSK): -96dBm
  - 11Mbps (CCK): -91dBm

### Operation Modes

- AP, Bridge, Multiple Bridge, AP Client, and CPE Router

### Security

- WEP 64/128
- 802.1x Support
- WPA-PSK
- WPA II
- SSID Broadcast Disable function
- MAC Filter
- Bandwidth Control

### Management

- Web-Based Configuration
- TFTP for software upgrade available
- Syslog
- SNMP: MIBII v1.2.3
- Support alias IP

### Dimension & Weight

- 125 x 125 x 65mm (0.90KGM)

### Environment

- Operating Temperature: -40 ~ +85°C
- Humidity: 5% ~ 95% non-condensing

### Enclosure

- IP67 Aluminum weatherproof enclosure

### Power Adapter

- PoE / DC 12V / 1A , AC adapter 100V ~ 240V

### Mounting

- Pole Mounting

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