



AP-A2320

2.3GHz Hi-Power Outdoor AP/Bridge

- ⚡ Wireless LAN 802.11b/g compliant, Atheros Outdoor Long Range WLAN
- ⚡ 20, 27, 30, 33, or 36dBm Output Power
- ⚡ Four operating modes support: AP, Wireless Client, Repeater and Wireless Bridge
- ⚡ IP67 compliant Solid Aluminum housing protect against rigorous weather conditions
- ⚡ Strong network security with 64/128/152-bit WEP encryption and WPA
- ⚡ One N-type connector for external high gain antenna
- ⚡ Provides "RSSI-received signal strength" indication for AP, Repeater and Wireless Bridge



2.3GHz AP with Atheros Solution

AP-A2320 outdoor family is an 802.11 b/g all-in-one device that is designed to operate in the 2.3GHz band. The device with high performance Atheros 11b/g radio allows the longest transmission distance. The AP with solid weather-proof cast aluminum enclosure allows operating under the most extreme environment.

All-In-One Device with N-type Connector

AP-A2320 series 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. The built-in N-Female connector allows for 2.3GHz outdoor antenna on your request. A complete package with a DC injector unit, water-proof cap, 48 V DC Power adapter, and standard pole / wall mount kit are included.

Multiple Operation Modes

The AP-A2320 family complies with 802.11b and 802.11g standard. Through the Web management interface, you can run in AP, Wireless Client, Repeater and Wireless Bridge (WDS). A multiples security functions includes SSID hiding, access Control List, WEP based encryption (64, 128, 152 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. Advanced software management allows monitoring current Rx/Tx data rate status, noise level, and signal strength. It also can be easy configuration and monitoring through the use of a Web-browser based Web UI, and SNMP commands from a remote SNMP management station, and Locator utility for users to automatically discover the device.

20, 27, 30, 33, or 36 dBm

According to power configurations, 4 different modes are available with AP-A2320 family. AP-A2320-20 is equipped with 20dBm power, AP-A2320-27 is with 500mW (27dBm), AP-A2320-30 is with 1W (30dBm), AP-A2320-33 is with 2W (33dBm), and AP-A2320-36 is equipped with 4W (36dBm) Output Power.

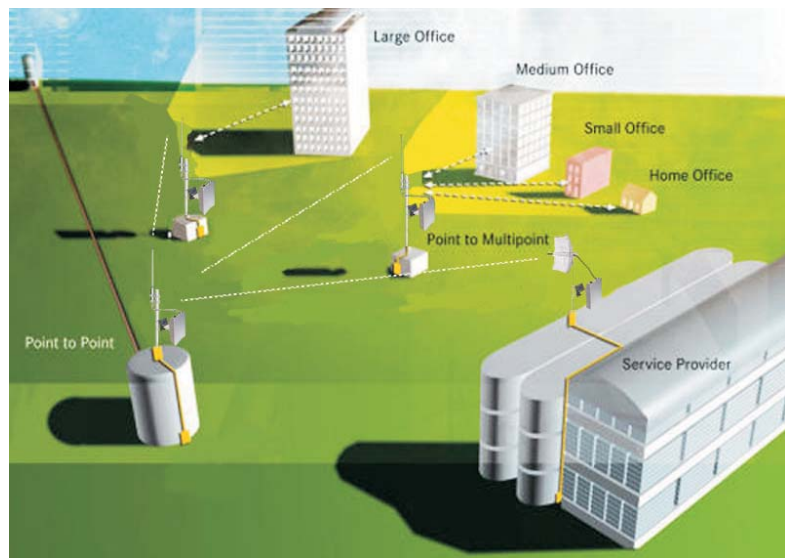
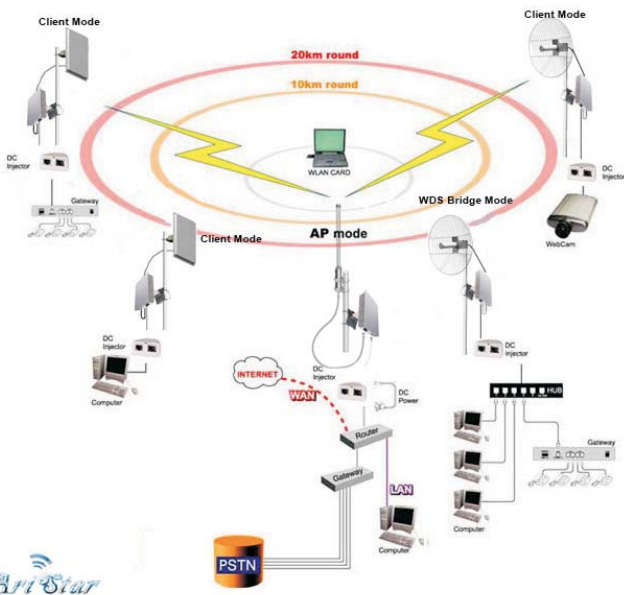
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Model	Power	Antenna	Lighting Arrestor
AP-A2320-20	100mW (20dBm)	Option	Option
AP-A2320-30	1W (30dBm)	Option	Option
AP-A2320-33	2W (33dBm)	Option	Option
AP-A2320-36	4W (36dBm)	Option	Option



Point to Point Mode and Point to Multipoint Mode

Through wireless link, WDS Bridges can connect up to 8 networks in scattered buildings or towers. This allows numerous sites to share resources, including wireless broadband ISP provider's backhaul, wireless broadband campus building to building links, last mile wireless broadband ISP dedicated access to customer.

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Specification

Hardware

- 8MB SDRAM
- 2MB FLASH
- One Atheros 802.11b/g RF Radio

Interfaces

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

Standard

- IEEE802.11b, 802.11g
- IEEE802.11af, 802.3, 802.3u

Frequency Band

- 2.312~2.372GHz (13 channels)

Modulation Technology

- IEEE802.11b: CCK, DQPSK, DBPSK
- IEEE802.11g: OFDM with BPSK, QPSK, 16QAM, 64QAM

Data Rate

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

Transmit Power

- AP-A2320-20 : 20dBm
- AP-A2320-27 : 27dBm
- AP-A2320-30 : 30dBm
- AP-A2320-33 : 33dBm
- AP-A2320-36 : 36dBm

Sensitivity

- -86dBm @ 11Mbps, PER<8%; -64dBm @ 54Mbps, PER<10%

Operation Modes

- AP / Wireless Client / Repeater / Wireless Bridge (WDS)
PtP and PtMP

Security

- 64-bit/128-bit/152-bit WEP encryption
- Wi-Fi Protected Access (WPA)

Software / Firmware

- Site Survey
- DHCP Client
- Suppressed SSID
- Wireless access control by MaC address (deny or accept)
- WPA Support (WPA personal and enterprise)
- Web-based configuration via popular browser (MS IE, Netscape...)
- Windows "Locator" program to help find IP in DHCP client mode IP
- Firmware upgrade and configuration backup via Web
- Reset to default by WebUI
- SNMP V1/V2

Dimension & Weight

- 250 *210 *92 mm (3.00KGS)

Environment

- Operating Temperature:-30 ~ +70°C

Enclosure

- IP67 certified Aluminum ADC12 weatherproof enclosure

Power Adapter

- 100-240V(50-60Hz) universal AC adapter (DC 48V)
- Power over Ethernet DC injector included

Mounting

- Wall, Pole Mounting

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