



CPE-A2312

2.3GHz Hi-Power Outdoor CPE

- ✚ 2.3GHz , 802.11g/b “Fighter” , Atheros Outdoor Long Range WLAN
- ✚ 20, 27, or 30dBm Output Power
- ✚ Wireless Client, AP, Repeater and Wireless Bridge
- ✚ IP67 Waterproof enclosure with built in 12dBi Patch Antenna
- ✚ Option for built in N-type Connector for external higher gain antenna



2.3GHz CPE with Atheros Solution

CPE-A2312 Outdoor family is an 802.11 b/g all-in-one devices 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 device in weatherproof enclosure made by Anti-UV material offers a cost-effective solution for hotspot to make Point-to-Point and Point to Multi-Point application.

All-In-One Device with Integrated 12dBi Antenna and optional N-Female Connector

CPE-A2312 is an all-in-one device with integrated Power Over Ethernet (PoE), 12dBi patch antenna, 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. Optional built-in N-Female connector provides higher gain 2.3GHz antenna, or type of antenna on your request. A complete package with a DC injector, 48V DC Power adapter, water-proof cap, and standard pole mount kit are included.

Multiple Operation Modes

The CPE-A2312 family complies with 802.11b and 802.11g standard. Through the Web management interface, you can run in Wireless Client, AP, 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 signaling 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, 27or 30dBm Output Power

According to power configurations & N Female Connector, 6 different Models are available with CPE-A2312 family as below:

Model	Power	Built-in Antenna	Built-in N Female Connector
CPE-A2312-20	100mW (20dBm)	12dBi	No
CPE-A2312-20N	100mW (20dBm)	12dBi	Yes
CPE-A2312-27	500mW (27dBm)	12dBi	No
CPE-A2312-27N	500mW (27dBm)	12dBi	Yes
CPE-A2312-30	1W (30dBm)	12dBi	No
CPE-A2312-30N	1W (30dBm)	12dBi	Yes

TraNet Technologies Corp

6F-3, No.20, Lane 609, Sec. 5, Chung Hsin Rd.,
San Chung City, Taipei Hsien 241, Taiwan

www.aristar.com.tw

Accessories



PoE DC Injector



48V Power Adapter



Wall / Pole Mount Kit



Point to Point Mode

Through wireless link, WDS Bridges in point-to-point mode link between two locations such as buildings or towers. This allows two separated 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.



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: OFDMwith 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

- CPE-A2312-20/20N: 20dBm
- CPE-A2312-27/27N: 27dBm
- CPE-A2312-30/30N: 30dBm

Sensitivity

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

Operation Modes

- Wireless Client / AP/ 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

Antenna Type

- Integrated 12dBi flat panel antenna
- 41.3 degree H-Plane (Horizontal)
- 34.5 degree E-Plane (Vertical)

Dimension & Weight

- 197.5*197.5*63mm (1.00KGS)

Environment

- Operating Temperature:-20 ~ +70°C

Enclosure

- IP67 UV resistant weatherproof enclosure

Power Adapter

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

Mounting

- Pole Mounting

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