

AP 2i

2.4 GHz High-Powered Indoor Access Point

Product Overview



The AP 2i is a powerful indoor Access Point radio, coupling screaming output power (500 mW) with a unique, compact design to deliver a robust, cost-effective 2.4 GHz AP solution. The AP 2i features an array of flexible hardware features, including an Atheros-based radio platform - enabling advanced features such as channel splitting capabilities to optimize link efficiency. The AP 2i features external LEDs for power, LAN and wireless link status, and may be powered by either direct DC power or power-over-

ethernet (9V–52V). This product ships with a removable RPSMA 3dBi Omni-Directional Antenna and integrated power-over-ethernet power supply, providing a complete out-of-the-box solution for indoor access point provisioning.

The software features of the AP 2i include a powerful Linux-based core OS, with an easy-to-use, web-based GUI, providing an increased amount of flexibility, stability, features, and management functions that are not present in other WISP products on the market today. This product is also compatible with RCMS, a centralized configuration, firmware, and statistics server for carrier class management.

Specifications

WLAN Standard

802.11 b/g

Radio Scheme

802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK)

802.11b: DSSS (CCK, DQPSK, DBPSK)

Frequency Range

2.3 GHz - 2.5 GHz (Country dependent)

RF Output Power

Up to 27 dBm - Adjustable

Receiver Sensitivity

802.11g: -93 +/- 2dBm @ 6 Mbps, -75 +/- 2dBm @ 54 Mbps

802.11b: -96 +/- 2dBm @ 1 Mbps, -90 +/- 2dBm @ 11 Mbps

Data Rate

802.11g: 54 / 48 / 36 / 24 / 12 / 9 / 6 Mbps

802.11b: 11 / 5.5 / 2 / 1 Mbps

Power Supply

On-board Ethernet surge protection
Input power accepts 9V–52V power-over-ethernet or direct DC power
15V power-over-ethernet power supply included

Antenna

3 dBi Rubber Duck Omni Antenna (RPSMA) included

Key Features

- 500 mW RF Output power (adjustable)
- 3 dBi Omni-Directional Antenna Included
- Full, half, and quarter bandwidth channels
- PoE built-in for single cable installation
- Configurable Multi-mode AP
 - AP mode
 - AP client mode
 - WDS
 - AP Router / AP Client Router
- Latest security technologies
- Comprehensive software features
 - IP routing
 - DHCP client/server/relay
 - DNS relay/proxy
 - Stateful inspection firewall
 - MAC/IP filtering
 - Digital device certificates
 - Multicast video support for CCTV or IPTV (IGMPv3)
- Comprehensive management features
 - Web GUI
 - Command line management via SSH
 - RCMS server support for configuration
 - SNMP V1/2/3 with traps supporting MIBs: 802.1, 802.1x, MIBII
 - Syslog support

Operating Mode

AP / AP Client

WDS (Wireless Repeater, Point-to-Point, Point-to-Multi-Point)

AP Router / AP Client Router

Security

Password Protection

WPA / WPA2 Personal/Enterprise

MAC Filtering

Hidden SSID Support

802.11i

802.1x

Static and Dynamic WEP

Enclosure

Sleek, Compact Enclosure (5 in. x 5 in. x 1.5 cm.)

Operating Environment

Temperature -25C - 65C

Humidity 20 - 90% (non-condensing)

Certification

FCC/IC/CE

Warranty Period

1-Year