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 WNMS, a centralized configuration, firmware, and statistics server for carrier class management.

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
  - WNMS server support for configuration
  - SNMP V1/2/3 with traps supporting MIBs: 802.1, 802.1x, MIBII
  - Syslog support

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
18V power-over-ethernet power supply included

Antenna
3 dBi Rubber Duck Omni Antenna (RPSMA) included

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

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