

AP Solo

2.4/5 GHz Connectorized Base Station

Product Overview



The AP Solo product delivers superior access point performance by combining carrier-grade hardware components with a robust and stable Linux-based software platform. This powerful core OS driving the AP Solo provides an increased amount of flexibility, stability, features, and management functions that are not present in other WISP products on

the market today. The AP Solo is field proven and its flexible design serves the needs of WISPs both large and small. The AP Solo is also compatible with WNMS, a centralized configuration, firmware, and statistics server for carrier class management.

The hardware features of the AP Solo include a powerful 24dBm RF engine that is selectable between the 2.4 and 5 GHz bands. Coupled with the added benefit of an external N-connector for custom antenna application, this product is one of the most flexible on the market today. The AP Solo is also housed in a rugged, cast aluminum enclosure built to withstand even the harshest environments.

Specifications

WLAN Standard

802.11a, 802.11b, 802.11g

Radio Scheme

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

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

802.11b: DSSS (CCK, DQPSK, DBPSK)

Frequency Range

4.9 GHz ~ 5.85 GHz (Country dependent)

2.4 GHz ~ 2.497 GHz (Country dependent)

RF Output Power

Up to 24 dBm - Adjustable

Receiver Sensitivity

802.11a: -93 +/- 2dBm @ 6Mbps, -74 +/- 2dBm @ 54 Mbps

802.11b: -99 +/- 2dBm @ 1Mbps, -90 +/- 2dBm @ 11 Mbps

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

Data Rate

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

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-24V Power-over-ethernet, perfect for solar installations

18V DC / 1.1 A power-over-Ethernet power supply included

Key Features

- Adjustable RF Output power
- Full, half, and quarter bandwidth channels
- PoE built-in for single cable installation
- Rugged, cast aluminum enclosure
- Configurable Multi-mode AP
 - AP mode
 - AP client mode
 - WDS
 - AP Router
 - AP Client Router
- Latest security technologies
- Comprehensive software features
 - IP routing: static and dynamic (OSPF/RIP)
 - DHCP client/server/relay
 - DNS relay/proxy
 - 802.1Q VLAN Tagging/Untagging
 - Up to 16 Virtual Radios
 - Wireless QoS Support (WMM)
- 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

Antenna

N-connector

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 (802.11i, 802.1x)

MAC Filtering

Hidden SSID Support

Static and Dynamic WEP

Enclosure

Rugged Cast Aluminum (22 cm. x 22 cm. x 8.25 cm.)
meets IP67 standards

Operating Environment

Temperature -30C - 60C

Humidity 10 - 90% (non-condensing)

Certification

FCC/CE

Warranty

2-Years