



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 Deliberant's Wireless Network Management System (WNMS); a centralized monitoring and management solution including a firmware and statistics server with carrier class diagnostic and configuration management capabilities.

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.

Key Features

- I Adjustable RF Output Power
- I Full, half, and quarter bandwidth channels
- I PoE built-in for single cable installation
- I Rugged cast aluminum enclosure
- I Configurable Multi-mode AP
 - n AP mode
 - n AP client mode
 - n AP router
 - n AP Client Router
- I Latest security technologies
- I Comprehensive software features
 - n IP routing
 - n DHCP client / server / relay
 - n DNS relay / proxy
 - n 802.1Q VLAN Tagging/Untagging
 - n Up to 16 Virtual Radios
 - n Wireless Qos Support (WMM)
- I Comprehensive management features
 - n Web GUI
 - n Command line management via SSH
 - n WNMS server support for configuration
 - n SNMP V1/2/3 with traps supporting MIBs: 802.1,802.1x, MIBII
 - n Syslog support

Specifications

Wireless

WLAN Standard	802.11 a / b / g
Radio Scheme	802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK) 802.11b: DSSS (CCK, DQPSK, DBPSK)
Operating Mode	AP, AP Client, AP Router, AP Client Router WDS (Wireless Repeater, Point-to-Point, Point-to-Multi-Point)
Frequency Range	2.4 GHz ~ 2.497 GHz (Country dependent) 4.9 GHz ~ 5.85 GHz (Country dependent)
RF Output Power	Up to 24 dBm - Adjustable
Receiver Sensitivity	802.11a: -93 +/- 2dBm @ 6 Mbps, -74 +/- 2dBm @ 54 Mbps 802.11b: -99 +/- 2dBm @ 1 Mbps, -90 +/- 2dBm @ 11 Mbps 802.11g: -93 +/- 2dBm @ 6 Mbps, -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

Antenna

Type	N-Connector
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Security

Wireless security	Password Protection WPA / WPA2 Personal/Enterprise (802.11i, 802.1x) MAC Filtering Hidden SSID Support Static and Dynamic WEP
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Physical

Power Supply	Power over Ethernet ,18V DC / 1.1A Power Supply Included On –board Ethernet surge protection
Enclosure	Meets IP67 standards
Dimensions	22 cm. x 22 cm. x 8.4 cm

Environmental

Temperature	-30°C ~ 60°C
Humidity	10 ~ 90% (non-condensing)

Regulatory

Certification	FCC / CE / NOM
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Warranty

Warranty	2-Years
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