AP-Plus™

802.11b Wireless Access Point

YDI WIRELESS

AP-Plus™ Key Features

- Offers wireless LAN access in an office environment through 802.11b radios
- Dual PCMCIA card slots allow for optimal configuration flexibility with 802.11b WLAN cards
- Ideal for use with WIPOPs to offer high-speed Internet access on the 2.4 GHz license free band
- Point-to-Point Transparent Bridge application
- FCC certified for use with YDI or Agere-powered WLAN cards, amplifiers and outdoor antennas
- Full SNMP management, and extended MIBs and traps
- Simple firewall that blocks Network Neighborhoods between wireless clients
- Filtering by protocol and port
- Uses IEEE 802.1x for enhanced security with certificate authentication and automatic WEP key distribution. EAP-TLS based authentication via RADIUS server
- DHCP Client/Server and NAT features
- BOOTP/DHCP forwarding
- MAC Access Control Lists
- Radio firmware uploads - loads firmware during software upgrades
- Syslog reporting
- Configuration and monitoring is accomplished remotely through an easy to use Windows-based program
- Supports VOIP for Spectra Link cordless phones

Description

The AP-Plus™ is a powerful, feature-rich, two channel 802.11b compliant 11 Mbps wireless Access Point that operates on the license-free 2.4 GHz band. It comes with the YDI AP+™ firmware upgrade installed which provides enhanced features[1]. For indoor applications, it extends the range of a wired Ethernet network providing easy network access to both mobile users and locations that are difficult to wire. With outdoor antennas and amplifiers, long-range line-of-site links are possible.

The AP-Plus™ is great for use at a WIPOP (Wireless Internet Point of Presence) to offer high-speed wireless Internet services. It can support two independent WLAN cards. By turning one radio into an 802.11b client, the AP-Plus acts as a repeater or as a bridge to another YDI AP+™ enabled AP, as well as an Access Point. It is ideal for large area Wireless LAN deployment and ease of scalability.

The AP-Plus™ uses 802.1x security protocol, which provides user-based authentication and automatic key distribution in both directions. Additional features offered are SNMP, MIB II and RADIUS support.

AP-Plus™ Kit Includes

- AP-Plus™ Access Point
- 110/220 VAC power supply
- Ethernet cable
- CD-ROM with Windows-based management software and documentation

Note: WLAN PC card(s) must be ordered separately.

Ordering Information

Description	YDI P/N
YDI AP-Plus™	650-900001-001

1 - For a description of the features provided by the YDI AP+ firmware upgrade, please refer to the appropriate Product Specification Sheet

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AP-Plus™ Additional Features

➤ Base is separable from the unit for desktop or OEM applications

➤ Broadcast Storm protection prevents wireless networks overloads

➤ Multicast filters

➤ VPN pass-through NAT (using IPSEC, PPTP, L2TP)

➤ VLAN compatibility - supports VLAN bridging

➤ Wireless Link Test: tests signal strength, noise level and ratios of link

➤ Support of built-in encryption: 40-bit WEP, 128-bit RC4, and WEP-Plus encryption available in the YDI or Agere-powered WLAN cards

➤ Future support of 802.11a/g WLAN cards with firmware upgrade

➤ Optional YDI-Fi firmware upgrade can be loaded to make it a Wireless IP router (Classless and RIP)[2]

2 - For a description of the features provided by the YDI-Fi firmware upgrade, please refer to the appropriate Product Specification Sheet

Specifications

| Interface	
LAN	Two 10/100 Base-T auto-sense Ethernet ports
Wireless	Two PCMCIA card slots
Hardware	
Power Supply	100-240 VAC 50/60 Hz
Power Consumption	10 watts maximum
LEDs	Ethernet Link A/B Activity, Wireless Link A/B Activity, Power
Physical	
Dimensions (H x W x D)	5 x 10 x 2.75 inch (127 x 259 x 70 mm)
Weight	4 lbs (1.8 kgs)
Environmental	
Operating Temperature Range	-20° C to +60° C (PC Card dependant)
Humidity	95% (non-condensing)

AP-Plus™ front view

AP-Plus™ rear view

Power Supply
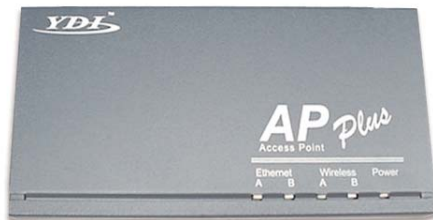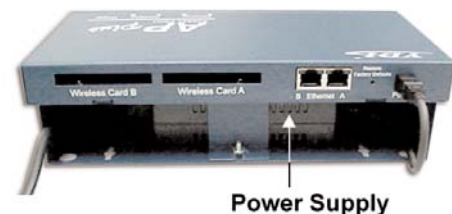
Typical Application

AP-Plus™ in a 2 Channel Wireless Internet Point of Presence (WIPOP)
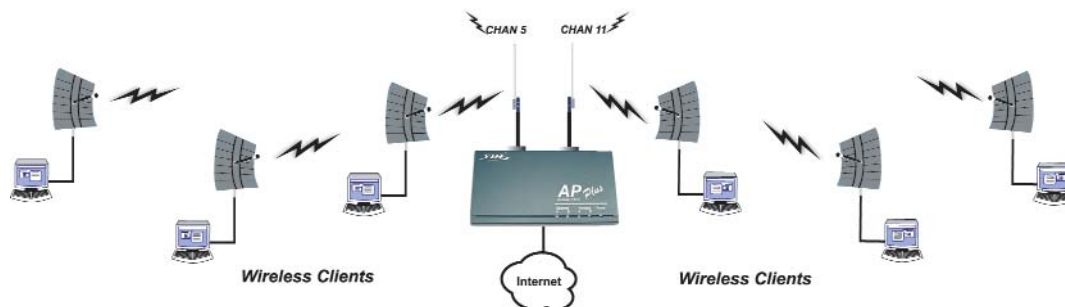
Specifications subject to change without notice

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