

Model No. AP951X : Industrial Wall-mounted PoE Wireless-G AP/Bridge



High Lights

Product Benefits :

- ✓ **2.4GHz , IEEE 802.11 b/g**
- ✓ **Operation Modes: Access Point , WDS (Repeater ,Bridge)**
- ✓ **Security with 802.1X,WPA, and AES**
- ✓ **Dual IEEE 802.3af (PoE) compliant with Link Failover**
- ✓ **8 Multiple B-SSID capability**
- ✓ **Business-class security and central management**
- ✓ **Metal case with IP50 compliance for industrial usage**
- ✓ **Anti-Static Electricity Grounding System**

Aspiring to provide the best performance/price ratio for both SMB and industrial applications, AP951x is uniquely designed for Wall Mount with metal case and IP50 rating for a fast, robust, secure and business class access point perfect for installation in factories, warehouses, hotels marinas, hospitals, large homes, hotspot and more.

AP951x is compliant to the latest wireless standards that are required in highly secured enterprise networking environments. Its Wireless Distribution System (WDS) feature allows for flexible extension of wireless coverage. It can be power via three alternative methods from either the Single LAN port for



LanReady Technologies Inc.

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Power over Ethernet (PoE), DC jack providing the ability to back up each other with failover redundancy function, giving AP951x reliable connectivity in mission critical situations.

AP951x is easy-to-use and install with web-based administrative interface making configuration and client management simple and easy. In addition, management interfaces such as CLI and SNMP are also supported by AP951x.

AP951x built-in software interface allows for communicating with other types of network management servers. AP951x can further provide enhanced values in a well managed WLAN solution by our backend controlling gateway.

Feature

Wireless Architecture Mode :

- AP Mode
- WDS Mode (Repeater/Brdige)

Access Point Feature

- Number of ESSID : 8
- Number of associated clients per AP : 32
- Three Mode : AP Mode , WDS Mode
- WDS Mode : to extend wireless coverage by connecting wirelessly to another WDS capable AP. Support up to 8 WDS links
- Slot Time , ACK/CTS Timeout
- RSSI threshold support
- TX burst support
- Beacon interval: adjustable to best adapt to the deployment environment
- IAPP : to facilitable faster roaming for the stations among different APs nearby
- 802.11n protection : to let the transmission rate of associated 802.11g and 802.11b not to be affected with surrounding existence of 802.11b stations
- RTS and fragmentation control
- Adjustable transmission power : 9 Levels
- Wireless site survey : for scanning the surrounding access points for connection
- VLAN tag support



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Authentication/Encryption (Wireless Security)

- Data encryption: WEP(64/128/152-bits) , WPA/WPA2 with TKIP or AES-CCMP
- User Authentication : WEP, IEEE802.1X,WPA-PSK,WPA-Enterprise , MAC ACL
- Setting for TKIP/CCMP/AES key's refreshing period
- Support IEEE802.11 mixed mode , open and shared key authentication
- Hidden ESSID: broadcast SSID option can be turn off to prevent SSID broadcast to the public
- Station Isolation setting : when enabled , all stations associated with this AP can not communicate with each other
- Support data encryption over WDS link

Quality of Service

- DiffServ/TOS
- IEEE802.11p/COS
- IEEE 802.11Q Tag VLAN priority control
- IEEE802.11e WMM

Management

- Web-Based management interface
- Remote configuration and management
- Remote firmware upgradeable
- Software one-button-click to reset back to factory defaults
- Utilities for system configuration backup and restoration
- SNMP MIBII support (v2c/v3)
- NTP time synchronization
- DHCP client

- Syslog client
- Support Event log
- Support statistics on total transmission encountered and transmitting error occurred

AP951X Hardware Specifications	
Base Platform	AR2317
CPU Clock Speed	180 MHz
Wireless Radio	802.11bg



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Serial Port	work on Demand Network on Demand Network on Demand Network on Demand Network on Demand 1
Reset Switch Built-in	Push-button momentary contact switch
Standards Conformance	IEEE 802.3 / IEEE 802.3u
Ethernet Configuration	10/100BASE-TX auto-negotiation Ethernet port x 2 (RJ-45 connector) Auto MDI/MDI-X enabled , IEEE802.3af Power Over Ethernet Compatible , Auto Fail over
SDRAM	On board : 16 Mbytes
Flash	On board : 4 Mbytes
Built-In LED Indicators	1x Power, 2x LAN
Wireless Specifications	
Network Standards Conformance	IEEE802.11 b /g compliant
Data Transfer Rate	IEEE802.11b : 1 / 2 / 5.5 / 11Mbps (auto sensing) IEEE802.11g : 6 / 9 / 12 / 18 / 24 / 36 / 48 / 54(auto sensing)
Frequency Range	IEEE802.11b/g : 2.412 ~ 2.462GHz (USA) 2.412 ~ 2.484GHz (Japan) 2.412 ~ 2.472 GHz (Europe ETSI) 2.457 ~ 2.462 GHz (Spain) 2.457 ~ 2.472 GHz (France)
Media Access Protocol	CSMA / CA with ACK
Modulation Method	IEEE802.11b : DSSS (DBPK,DQPSK,CCK) IEEE802.11g : OFDM(64-QAM,16-QAM,QPSK,BPSK)
Operating Channels	802.11b/g : 11 for FCC,14 for Japan,13 for Europe, 2 for Spain, 4 for France
RF Output Power	100mW
Transmit Power Variation	802.11g : Up to 16 dBm 802.11b : up to 18 dBm
Frequency Response flatness	±1dB over operating range
Receiver Sensitivity	802.11b/g : -90dBm@1Mbps, -86dBm@6Mbps,-84dBm@11Mbps,-69dBm@54Mbps
Environmental & Mechanical Characteristics	
Operating	-20 °C ~ 50 °C



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Temperature	work on Demand Network on Demand Network on Demand Network on Demand Network on Demand
Storage Temperature	-20 °C ~ 60 °C
Operating Humidity	10% to 80% Non-Condensing
Storage Humidity	5% to 90% Non-Condensing
Antenna Connector	SMA-Type Connector
Power Supply	110 – 220V AC Power ; 12 VDC, 1.5A input. Support 802.3af Compliant , Power Over Ethernet (48V/0.3 A)
Unit Dimensions	205 x 125 x 35 (mm) (Width x Depth x Height)
Unit Weight	600g
Form Factor	Wall Mountable , Metal case compliant with IP50 standard
Certifications	FCC,CE, IP50,ROHS compliant