

## WAPR-701N

### 802.11n Dual-Band High-Power Access Point

Dual-Band with Multi-Operation Modes



#### Feature Highlight

- Support 802.11a/b/g/n Dual-Band.
- 1x Gigabit Ethernet support
- Higher transmit power support up to 23dBm.
- Support 802.3af Power over Ethernet to make wireless devices installation easily.
- Detachable antenna
- Support multiple operation mode – Access Point, P2P/P2MP Bridge, Repeater, AP-Client, and AP-Router
- Programmable output power. (TX Power)
- Support multiple SSID. (Up to 3)
- Support 802.1Q VLAN tag.
- Support WMM and WMM-PS Quality of Service
- Support upstream/ downstream bandwidth control.
- Support DHCP server /DHCP client.
- Support WEP, WPA and WPA2 encryption
- Support 802.1x authentication using EAP-TLS, EAP-TTLS, PEAP
- Radius Client support
- Layer 2 Isolation prevents wireless clients from communicating with each other
- Hidden SSID for blocking illegal users access
- Support MAC/IP/Port Access Control List (ACL)
- Support URL/ Hosts Content Filter
- Backup/Restore configuration settings

#### Flexibility and high performance wireless architecture

WAPR-701N is a high-performance and feature-rich indoor Access Point. WAPR-701N offers flexibility for deploying enterprise-scale wireless networks including warehouses, universities, airports, hospitals, and large corporations.

- Supports 802.11a/b/g/n standard
- Mix of AP and Bridge configuration

#### Multiple BSSID "Virtual AP" Technology

WAPR-701N supports up to 3 BSSID per radio and each BSSID can be configured independently to support various security policies, authentication model, and RADIUS servers.

#### Secure and reliable wireless networking

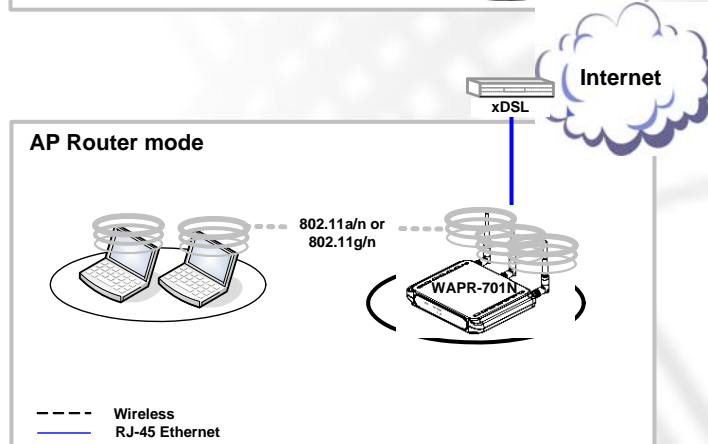
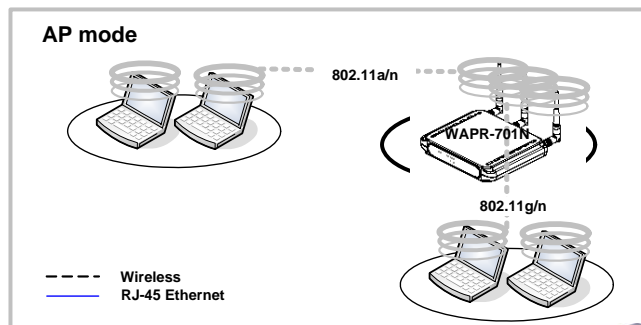
WAPR-701N supports several security control and encryption methods to make wireless connection securable.

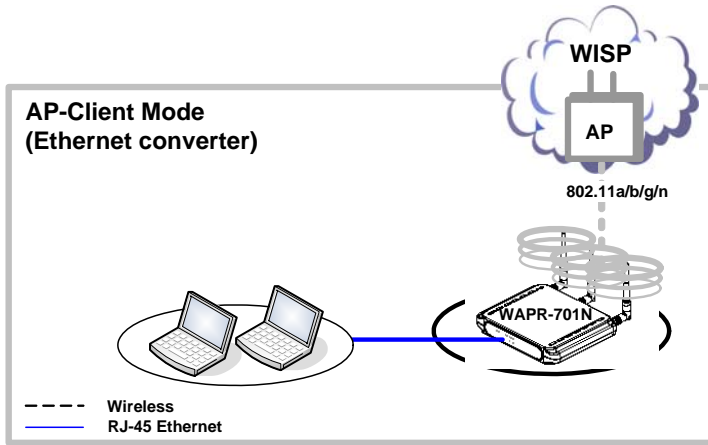
- IEEE 802.1x/ EAP with password
- 64-bits/128-bits static and dynamic WEP encryption
- Layer 2 Isolation for preventing snooping on the same BSS
- MAC/ IP/ Port filtering for preventing illegal attack
- Hidden SSID broadcast to prevent illegal access
- Content filter to prevent web

#### Simple Installation

WAPR-701N can be powered on by connecting to either Power Adapter or an integrated IEEE 802.3af Power over Ethernet supplying effortless deployment in various environments at a reduced cost.

#### Multi-Operation Modes





## Wireless

- Standard: 802.11n draft 2.0 compliant
- Frequency: 2.4 GHz/ 5GHz
- Tx Power: (max)
- 802.11a: 18dBm@54Mbps,
- 802.11b: 24dBm@11Mbps,
- 802.11g: 21dBm@54Mbps,
- 802.11an (HT20): 18dBm +/- 1.5dBm@MCS15
- 802.11an (HT40): 16dBm +/- 1.5dBm@MCS15
- 802.11gn (HT20): 21dBm +/- 1.5dBm@MCS15
- 802.11gn (HT40): 19dBm +/- 1.5dBm@MCS15
- Sensitivity :
- 802.11a: -73 +/- 2dBm@54Mbps
- 802.11b: -89 +/- 2dBm@11Mbps
- 802.11g: -74 +/- 2dBm@54Mbps
- 802.11an (HT20): -70 +/- 2dBm@MCS15
- 802.11an (HT40): -66 +/- 2dBm@MCS15
- 802.11gn (HT20): -71 +/- 2dBm@MCS15
- 802.11gn (HT40): -67 +/- 2dBm@MCS15
- Operation mode:
- AP, Bridge, Repeater, AP Client, AP Router
- Up to 3 SSID
- Programmable output power.
- Site survey, radio disable/enable, automatic channel selection

## Product Specifications

Hardware	
System Memory	32MB SDRAM 8MB Flash
Interfaces	1 x 10/100/1000M auto-sensed AUTO-MDIX Console port: JTAG pin (internal) Console pin (internal)
Antenna	3 x detachable antenna
Button	Reset button
Status LEDS	Power, LAN Link, Link speed, WLAN1, WLAN2
Power Supply	12VDC/ 1.5A power adapter 802.3af Power over Ethernet
Environment	Operating temperature: 0°C ~ 50°C Humidity: 20% ~ 80% non-condensing
Dimension	197mm x 158mm x 32mm
Certification	FCC, CE
Software	
Network	WMM and WMM-PS QoS, Up to 32 User limitation, DHCP server, Static routing, NTP, Port forwarding
AAA & Security	802.1x Radius client(RFC2865, RFC2866) 64/128bit WEP, WPA, WPA2 encryption Layer2 isolation
Management	HTTP web management On-line system log Firmware upgrade via web

## Ordering Information

Configuration	
WAPR-701N	802.11n dual-band high-power AP w/o PoE supported.
WAPR-701N#1	802.11n dual-band high-power AP with PoE supported.
WAPR-701N(P)1	802.11n dual-band high-power AP PCBA w/o PoE supported
WAPR-701N(P)#1	802.11n dual-band high-power AP PCBA with PoE supported
Accessories	
POE-220	Power over Ethernet Injector
PSE-1608	16-port PoE Switch

*SPECIFICATIONS ARE PRELIMINARY AND SUBJECT TO CHANGE WITHOUT NOTICE*

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