## APR-108WB

## High Power 11a/b/g Outdoor Access Point

APR-108WB is an AP / Bridge / AP Client is designed for harsh outdoor environment and operates in the 2.4GHz or 5.8GHz band compliant with IEEE 802.11a/b/g Standard. With High Power 200mw in 11a mode and 400mw in 11bg mode. APR-108WB supports a data transmission rate up to 54Mbps, with Turbo mode up to 108Mbps that is best suited for Enterprises, Campus, Airport or off-site location required LAN or Internet access without effort of networking wired cabling issue.



APR-108WB AP Bridge provides 802.11a/b/g Dual band to support point-to-point, building-to-building or point-to-multipoint applications through its wireless Distribution System, WDS. It contains a high gain performance via its external N-Type connector for any other type of Antennas such as 12/15/18dBi Patch Antenna or other Omi Antenna.

For easy outdoor deployment, APR-108WB supports Power over Ethernet feature to create more wireless backbone networks without the environment limitation. It also provides advance security enhancement with up to 128-bit WEP, WPA, WPA2 and MAC address filtering.

## Feature Highlight

- ♦ Support operation mode Access Point, Bridge and AP Client Function.
- Support operation mode for Enabling or Disabling Turbo Mode to enhance the data rate up to 108 Mbps.
- ♦ Support bandwidth and SNMP Management control
- Strong network security with WPA, WPA2 and 64/128 bit WEP encryption and MAC Address Filtering
- Support web-based, Telnet and Utility Management.
- Seamless Wireless Connection to eliminate the need for cables, extra switches and routers to interconnect wireless nods

Standards Compliance	IEEE 802.11a, 802.11g, 802.11b
	IEEE 802.3
	IEEE 802.3u
Radio Frequency Type	Direct Sequence Spread Spectrum (DSSS)
	Orthogonal Frequency Division Multiplexing (OFDM)
Frequency Band	2412 ~ 2462 MHz (North America)
	2412 ~ 2472 MHz (General Europe)
	2412 ~ 2484 MHz (Japan)
	5120 ~ 5250 MHz, 5250 ~ 5350 MHz, 5725 ~ 5825 MHz
Operating Channel	1 ~ 11 channels (North America)
	1 ~ 13 channels (General Europe)
	1 ~ 14 channels (Japan)
	36, 40, 44, 48 for 5.12 ~ 5.25 GHz
	52, 56, 60, 64 for 5.25 ~ 5.35 GHz
	149, 153, 157, 161 for 5.725 ~ 5.825 GHz
Transmit output Power	11a Up to 200 mW at 6Mbps
	11b Up to 200mw at 11Mbps
	Tig up to 200mw at 54Mbps
Transmission Rate	
	802.11g: Up to 54Mbps (6/9/12/18/24/36/48/54)
	802.11b: Up to 11Mbps (1/2/5.5/11)
Physical Interfaces	10/100Base-TX: RJ-45
	Radio Wave: Antenna N-Male
Sensitivity (@PER 10 %)	54 Mbps: -74 dBm, 48 Mbps: -77 dBm , 36 Mbps: -83 dBm,
	24 Mbps: -86 dBm, 18 Mbps: -90 dBm
	12 Mbps: -91 dBm, 9 Mbps: -93 dBm
	6 Mbps: -94 dBm
	(typically @PER < 8% packet size 1024 and @25 C + 5 C)
Connector Type	N Female or Reverse N female
Security Systems	64-bit/128-bit/152-bit WEP encryption
	802.1x
Software Support	Web-based GUI interface
	TFTP
Operating Environment	Operating Temperature:-30 ~ +70°C
	Storage: 0 C ~ 70 C ambient
Power	DC 48 Volt + 5%; 2A (Max.); AC adapter AC 100V ~ 240V

