

RFNet 802.11g Wireless LAN

Outdoor Access Point cum Point to Multi-Points Wireless Bridge

Key Features

- Industrial grade IP67 Casing
- Up to 6 km range with External Antenna
- Up to 108 Mbps (Turbo Mode)
- Power Over UTP DC supply
- Bandwidth Control*
- Hot Standby*
- Wireless Isolation between wireless clients
- Remote Access Point Association Control
- MAC address Access Control



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Wireless Features

- IEEE 802.11g compliant radio, up to 54Mbps
- Up to 108Mbps wireless data rate at turbo mode
- RF Power Control. The transmit power can be adjusted by software control between 100% to 12.5% of maximum radio power
- Support seamless roaming within the same subnet between Access Point (In repeater and client mode)
- Up to 250 association and 50 con-current users

Network (Internet and Intranet)

- Protocol Filtering

Security and Access Control for Access Point Mode

- Support static WLAN WEP up to 152 bits encryption
- MAC Address Control
- WPA with Radius Server for EAP-TLS, EAP-TTLS and EAP-PEAP (In Access Point mode)
- WPA-PSK (AES and TKIP)
- Wireless to wireless user isolation

Management

- Web-based management
- IP address discovery software (Viper Quick Start)
- Firmware upgradeable through web-server and telnet

Hardware

- Antenna connector: 50-Ohm N Female antenna connector (For external antenna connection)
- Chassis Type: IP65 Rating with Bracket for wall mounting
- Ethernet Port: 10/100 Base-T (RJ-45 connector) with auto MDIX

Power Specification

- Power adapter: 18~48V DC through RJ45
- Power Consumption: Typical 6.5 Watts, 7.0 Watts Max

Environment

- Operating Ambient Temperature: 0°C to 50°C
- Relative Humidity when operational : 20~90% (non-condensing)
- Storage Ambient Temperature: -20°C to +75°C
- Relative Humidity during storage: 95% Max (non-condensing)

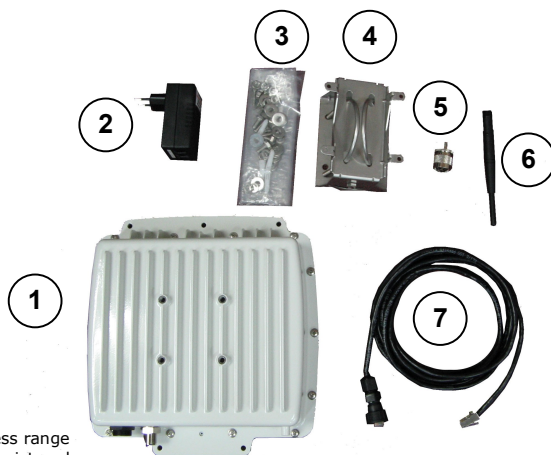
Standard Package

The standard package for AP-1061-POE comes with the following

- 1) AP-1061-POE
- 2) 48VDC combiner Adaptor (PoE)
- 3) Screws and washers
- 4) Mounting bracket (For walls or pole)
- 5) N type to SMA type adaptor
- 6) 2 dBi Antenna
- 7) 3m cable with IP67 RJ45 connector

RF Specification

● Frequency Range	2.4 ~ 2.4835 GHz		
● Wireless Data Rate	54, 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, 1 Mbps 108Mbps for Turbo mode		
● Channels	11 channels (USA/Canada), 13 Channels (Singapore, Europe except France), 14 Channels (Japan)		
● Transmitter Output Power	17dBm ± 2dBm		
● Nominal Antenna Port Impedance	50 Ω (for external antenna connector, if applicable)		
● Media Access Protocol	CSMA/CA with ACK		
● Modulation Technique	DSS DBPSK, DQPSK, CCK OFDM BPSK, QPSK, 16QAM, 64QAM		
● Receiver Sensitivity	Bit Rate	PER	Signal
	54Mbps	10%	-73dBm
	11Mbps	8%	-87dBm
	6Mbps	10%	-90dBm
	1Mbps	8%	-95dBm



Specification are subject to changes without prior notice due to engineering improvement. Wireless range and performance may vary with environment. All brands and product names are trademarks or registered trademarks of their respective holders. *Phase II features.