



802.11b Multi-function Outdoor



APPLICATIONS

- Large area coverage hotspots
- Long distances P-T-P / P-T-MP Bridge
- Dedicated ISP connections for high-reliability base stations and subscribers
- Redundant links between buildings
- Enterprises or Institutions LAN and PBX extension
- Cost effective alternative to wired network environment

The WR200 / WR210 series is an advanced device with outstanding receiver sensitivity and distant transmission range. It operates at 2.4 / 5.8GHz ISM band and provide flexibility to avoid air interference.

These outdoor radios could be used for Wireless Local Loop, backbone transmission for telecom operators and ISP vendors, Hot Spot; or provides college campus, enterprise branches or offices for wider coverage and better service quality.

The WR200 / WR210 Series have powerful security management because it supports 802.1x Authentication (EAP), WEP 64/128 bits, MAC address filter, hidden SSID and client isolation. All these functions make the network much more reliable.

Product Highlights

➤ LARGE AREA COVERAGE

High output power and low noise figure extend the signal transmit distance and enlarge the coverage area as well.

➤ MANAGEABILITY

Through the windows-based utility Web and telnet, WR200 / WR210 series is fully manageable locally and remotely. In addition, built-in SNMP support let ISP and enterprise users expand the network infrastructure much easier.

➤ FLEXIBILITY

This radio can play various roles in the wireless infrastructure due to the detachable antenna design. Customer can use the proper antenna according to the different environment, and make the wireless infrastructure deployment more flexible.

➤ RELIABILITY

The WR200 / WR210 series is the most reliable outdoor radio which provides a trustworthy passageway in the air with stable and robust design.

➤ SECURITY

WEP 64 / 128 bit encryption, 802.1x Authentication (EAP), hidden SSID, client isolation and MAC Access control build the highest security mechanism to prevent the malicious attacking from the internet.

Specifications

RADIO		
Standards	IEEE 802.11b compatible	
Frequency	2.4GHz / 5.8GHz ISM Band	
Operating Channels	FCC (USA)	1~11 channels
	ETSI (EUR)	1~13 channels
	MKK (JAPAN)	1~14 channels
Output Power	2.4GHz	0.1W / 0.5W / 1W / 2W
	5.8GHz	0.2W / 0.5W
Receive Sensitivity (BER 1E10-6)	-85dBm @ 11Mbps	
	-88dBm @ 5.5Mbps	
	-91dBm @ 2Mbps	
	-94dBm @ 1Mbps	
Modulation	DSSS	
Range	2.4GHz	Up to 25 miles (40 Km)
	5.8GHz	Up to 18 miles (30 Km)
INTERFACES		
RF (connect to antenna)	N-Type (Jack)	
Ethernet	IEEE 802.3(10 Base-T) / IEEE 802.3u(100 Base-TX)	
MANAGEABILITY		
Management and setup	Window-based, Web-based and console (telnet) configuration	
Operating mode	AP / PXP (Bridge) / SAI (Station)	
SNMP agents	MIB II	
Protocol	TCP/IP, IPX/SPX, NetBEUI	
Operating System	Windows 98 / 2000 / NT / XP	
Network Architecture	Hotspot / PTP / PTMP Bridge	
DHCP supports	DHCP client	
SECURITY		
Data Encryption	WEP 64 / 128 bits encryption	
Authentication	802.1x Auth.(EAP)	
Authorization	MAC Address Access Filter	
Advanced Security	Hidden SSID	
	Layer 2 Isolation (Client Isolation)	
LED INDICATORS		
WR201	Power	
WR202 / WR203	Power / Tx / Rx	
WR211 / WR212	Power / Tx / Rx / Signal strength	
ENVIRONMENT		
Operating Temperature	-30℃~60℃	
Storage Temperature	-40℃~70℃	
Humidity	95% non-condensing	
POWER SUPPLY		
WR201 / WR202	AC 100-264 V, DC 12 V, 50-60Hz	
WR203 / WR211 / WR212	AC 100-264 V, DC 15 V, 50-60Hz	
PHYSICAL		
Dimension	350 (L) × 350 (W) × 95 (H) ; mm	
Weight	WR201	2.8 Kg
	WR202 / WR203/WR204	3.5 Kg
	WR211 / WR212	4.0 Kg
WRRANTY		
1 Year		
ORDERING INFORMATION		
WR201	2.4GHz, 0.1W	
WR202	2.4GHz, 0.5W	
WR203	2.4GHz, 1W	
WR204	2.4GHz, 2W	
WR211	5.8GHz, 0.2W	
WR212	5.8GHz. 0.5W	

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