



Point to Point / Point to Multi-Point Radio Family

2.4 GHz, 54MB, 802.11g/b, Ethernet



Using advanced OFDM and power amp technology, our radio, has high output power which provides long transmission distance. It operates at 2.4GHz band with 14+ non-overlapping channels. This 802.11g/b outdoor radio is an ideal solution for enterprise / campus connectivity, Hotspot and next-generation broadband wireless Access. It's easier and cost effective to deploy the wireless access environment with the Wireless Distribution System (WDS) technology.

It has powerful security management because it supports WEP 64/128/152 bits, AES-128, or WPA-PSK and WPA2 encryption, 802.1x Authentication(EAP), MAC access control Authorization, disabling the broadcast SSID, and client isolation. All these functions make the network much more secure and reliable.

Order Examples: RADLINK-P2P-2.4-54MB-OFDM-23d-118-a9

Description: (Transceiver, Point to Point, 2.4GHz, 54MB,OFDM, 802.11g/b, Ethernet, 23dBm, Integrated Antenna)

Options:

27dBm External Antenna

PRODUCT HIGHLIGHTS

Large Area Coverage

Output power for IEEE 802.11a up to 200mW (0.2W), OFDM technology and low noise figure extend the signal transmission distance and enlarge the coverage area.

Wi-Fi Multi-media (WMM)

WMM feature supports Voice over Internet (VOIP), real time streaming of audio and video, as well as traffic management. WMM categorizes and prioritizes traffic to Voice, Video, Best Effort, and Background that provide high-quality multi-media function at your LAN. WMM also allows network owners to invent advanced set of services.

Manageability

Through the Web-based utility, It is fully manageable locally and remotely. In addition, built-in SNMP support lets ISP and enterprise users expand the network infrastructure much easier.

Our Multi-function series radios also provide HTTP Redirect, Firewall, VQoS, Virtual Servers.

Flexibility

This radio can play various roles in the wireless infrastructure due to the detachable antenna design. The customer can select proper antenna size to meet different distance requirements.

Reliability

This outdoor radio delivers high reliability due to its stable and robust design.

Security

WEP 64 / 128 / 152 bits, or AES-128, WPA-PSK, WPA2 encryption, 802.1x Authentication (EAP), and MAC access control authorization, broadcast SSID disable, and other security measures used in this product to ensure highest security to prevent outside intervention.

APPLICATIONS

- | | | | |
|--------------------------------------------------------------------------------|--------------------------------------|-----------------------------------------------------------|-------------------|
| • Large Area coverage Hotspots | • WiFi Multi media | • Wireless Repeater | • VLAN Capability |
| • P-T-P(Bridge) / P-T-MP | • Wireless Distribution System (WDS) | • Inter-building Wireless LAN | • LAN Extension |
| • Dedicated ISP Connections for high reliability base stations and subscribers | • Redundant Links between buildings | • Cost effective alternative to wired network environment | • VQoS |

RADLINK-P2P-P2MP-2.4, 54Mb-OFDM-802.11Enet-a9

Specifications may be subject to change

02/11/13

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SPECIFICATIONS

RADIO						
Standards	IEEE 802.11g/b, Super G (20 MHz RF Channel)					
Frequency	2.400 to 2.4835 GHz Bands ; Customized to meet local regulatory requirements					
IEE 802.xx Standard & Data Rate	Modulation	23d Pwr Out	27d Pwr Out	Rcvr Sensitivity*	Net Throughput*	Range*
11g, OFDM, 54 Mbps	64 QAM	21 (±1.5) dBm	24 (±1.5) dBm	-72 (±2) dBm	23.1 Mbps	Up to 15 Km
11g, OFDM, 36 Mbps	16 QAM	23 (±1.5) dBm	26 (±1.5) dBm	-77 (±2) dBm	18.6 Mbps	Up to 20 Km
11g, OFDM, 16 Mbps	QPSK	23 (±1.5) dBm	26 (±1.5) dBm	-82 (±2) dBm	10.3 Mbps	Up to 25 Km
11g, OFDM, 6 Mbps	BPSK	231 (±1.5) dBm	26 (±1.5) dBm	-89 (±2) dBm	5.5 Mbps	Up to 35 Km
11g/Super G, OFDM, 108 Mbps	64 QAM	21 (±1.5) dBm	24 (±1.5) dBm	-72 (±2) dBm	34.0 Mbps	Up to 15 Km
11b, DSSS, 5 Mbps, 5 MHz CH	BPSK	27 (±1.5) dBm	30 (±1.5) dBm	-92 (±2) dBm	4.5 Mbps	Up to 45 Km
Note :	Range : Path distance, with 18 dBi Integral Antenna at both ends for 99.97% availability at Ideal conditions. Net Throughput : ' Up to ' figures under Ideal conditions. Rcvr Sensitivity : at 10 ⁻⁶ BER.					
INTERFACES						
RF (External Antenna Port)	Type N, female					
Ethernet	IEEE 802.3(10 Base-T) / IEEE 802.3u(100 Base-TX) / IEEE 802.1d (spanning tree protocol) / IEEE 802.1Q (VLAN)					
MANAGEABILITY						
Management and setup	Web-based configuration					
Operating mode	AP / CPE / WDS (Bridge) / Repeater / Inter-Building Private LAN					
SNMP agents	MIB II					
Protocol	TCP/IP, IPX/SPX, NetBEUI					
Operating System	Windows 98 / 2000 / NT / XP					
Network Architecture	Hotspot / Point to point / Point to multi-point / Repeater					
IP Routing	Enable any IP					
Other Features	HTTP Redirect / Virtual Servers					
DHCP supports	DHCP client					
SECURITY						
Data Encryption	WEP 64/128/152 bits or AES-128 encryption					
	WPA-PSK (Wi-Fi Protected Access Pre-Shared Key)					
	WPA2					
Authentication	802.1x Auth.(EAP)					
Authorization	MAC Access Control					
Advanced Security	Disable broadcast SSID					
	Firewall					
	Client Isolation (Layer 2 Isolation)					

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ENVIRONMENT			
Operating Temperature		-20°C~55°C	
Storage Temperature		-30°C ~70°C	
Humidity		95% non-condensing	
POWER SUPPLY			
AC 100-264 V, DC 24 V, 50-60Hz: Power Consumption: 23d = 9.7 Watts, 27d = 15 Watts			
PHYSICAL	23d - Ext	27d - Ext	23d - I18
Dimension	259(L) x 250(W) x 75(H) mm; 10.2 x 9.9 x 3.0 in	259(L) x 250(W) x 75(H) mm; 10.2 x 9.9 x 3.0 in	330(L) x 295(W) x 91(H) mm; 13.0 x 11.6 x 3.6 in
Weight	1.8 Kg; 4.0 lb	2.9 Kg; 6.4 lb	Add 1.7 Kg (3.8 lb) to –EXT Opt.
WARRANTY			
1 Year			

ORDERING INFORMATION	
23d - I18	2.4GHz, EIRP=41dBm OFDM/DSSS, AP, CPE, Bridge, Repeater, Private LAN, with 18dBi Integral Ant.
27d - I18	2.4GHz, EIRP=45dBm OFDM/DSSS, AP, CPE, Bridge, Repeater, Private LAN, with 18dBi Integral Ant
23d - Ext	2.4GHz, 200mW OFDM/DSSS, AP, CPE, Bridge, Repeater, Private LAN, for External Antenna
27d - Ext	2.4GHz, 500mW OFDM/DSSS, AP, CPE, Bridge, Repeater, Private LAN, for External Antenna