

3 Watt, 2.4GHz Wi-Fi Radio



Using advanced OFDM and power amplifier technology, RedFire Max has an extremely high 3 watt maximum output power and phenomenal throughput, even at longer ranges. It operates at 2.4GHz with 14+ non-overlapping channels. This outdoor 802.11b/g radio is an ideal solution for enterprise or campus connectivity, hotspot deployment and next-generation broadband wireless access.

It's easier and much more cost effective to deploy the wireless network using Wireless Distribution System (WDS) technology. This employs a cost savings from 30-50% for telecom operators, ISPs and enterprise users.

RedFire Max also make use of powerful security management features by supporting WEP 64/128 bit encryption, WEP ASCII/Hex, 802.1x Authentication (EAP), MAC filtering, hidden SSID functionality, client isolation, WPA-PSK and WPA encryption.

applications

- Long distance PTP or PTMP bridging.
- Wide area hotspots.
- Redundant links between buildings.
- Cost effective alternative to wired networks.
- Dedicated ISP connections for high-reliability subscribers.
- Enterprises or Institutional LAN and PBX extension.

3 watts of output power

RedFire Max outputs up to 3 watts of RF power. But we didn't simply add an amplifier to the old RedFire; every bit of RedFire Max's electronics has been re-designed and re-engineered for maximum performance.

larger coverage areas

With output powers up to 3W and low noise figures, RedFire Max enables you to extend the capabilities of your current infrastructure and cover large areas with your signal.

impressive 54Mbps data rate at long range

Unique technology breaks the distance barriers of 802.11g standards. We've succeeded in extending the signal up to 2-12 miles (3-20 Km) using a 54Mbps (22Mbps effective) data rate.

audible antenna alignment

The RedFire Max sports a built-in audio jack. Simply plug in a pair of headphones and use the audible tone to help you find the perfect angle for your antenna. It couldn't be easier.

reliability

The RedFire Series Radios are among the most reliable outdoor radios you can find. The IP68 certified outdoor housing protects the radio from the elements, and the robust design of the radio's functionality make this a stable platform for your data.

WEIGHT
5.29 lbs (2.4 kg)

PHYSICAL DIMENSIONS (W x L x H)
9.9 x 10.2 x 3.0 in (250 x 259 x 75 mm)

At maximum output power, this product does not comply with FCC regulations. This product is intended for international use only.

RADIO

Frequency	2.4 GHz ISM Band		
Standards	IEEE 802.11b / 802.11g compatible		
Operating Channels	FCC (USA)	1~11 channels	
	ETSI (EUR)	1~13 channels	
	MKK (JAPAN)	1~14 channels	
Data Rate	Modulation	Output Power (±1 dBm)	Receive Sensitivity
54 Mbps	64QAM	32 dBm	-79 dBm
36 Mbps	16QAM	33 dBm	-88 dBm
18 Mbps	QPSK	34 dBm	-93 dBm
6 Mbps	BPSK	34 dBm	-96 dBm
Modulation	OFDM / DSSS		

INTERFACES

RF (antenna) connector	N-type Jack
Ethernet	IEEE 802.3(10Base-T) / IEEE 802.3u(100Base-Tx) / IEEE 802.1d (spanning tree protocol)
Alignment Interface	1/16" audio jack

MANAGEABILITY

Management and Setup	Web-based configuration
SNMP agents	MIB II
Operating Modes	AP / WDS / Smart WDS
Protocol	TCP/IP, IPX/SPX, NetBEUI
Network Architecture	Hotspot, PTP / PTMP, Repeater
DHCP Supports	DHCP client

SECURITY

Data Encryption	WEP 64/128 bit encryption, WPA-PSK, WPA
Authentication	802.1x Auth. (EAP)
Authorization	MAC Address Access Filter
Advanced Security	Hidden SSID, Layer 2 Isolation (Client Isolation)

ENVIRONMENT

Operating Temperature	-20 C ~ 55 C
Storage Temperature	-30 C ~ 70 C
Humidity	95% non-condensing

WARRANTY

1 year

POWER SUPPLY

AC 100-264 V, DC 24 V, 50-60Hz
