

# WILIGEAR mini-PCI radio WMR-400



WMR-400 is a dual band 802.11 a/b/g, high power wireless network mini-PCI adapter based on Atheros AR5414A(-B2B) chipset. The product has 400 milliwatts of RF output power and is specifically designed for outdoor access points. Internal heat sink enables this mini-PCI radio to work in a high-temperature environments. Additional screw hole is created for a more solid mounting of dcma on a motherboard. There is also an option to choose between UFL and MMCX RF connectors for a lower signal loss. It is Wi-Fi compliant, has a support of 802.11a/b/g turbo and super modes and eXtended Range XR technology. WMR-400 is fully RoHS compliant and CE and FCC certified.

Sensitivity		Variable transmit output			
Mode	Speed	Min	Typical	Max	
<b>802.11a</b>					
	6-12 Mbps	-92 dBm	-90 dBm	-85 dBm	+22.5 dBm
	18 Mbps	-91 dBm	-89 dBm	-84 dBm	+22.5 dBm
	24 Mbps	-87 dBm	-85 dBm	-80 dBm	
	36 Mbps	-84 dBm	-82 dBm	-77 dBm	+21.5 dBm
	48 Mbps	-79 dBm	-77 dBm	-72 dBm	+19.0 dBm
	54 Mbps	-74 dBm	-72 dBm	-66 dBm	+18.0 dBm
<b>802.11g</b>					
	6-12 Mbps	-92 dBm	-90 dBm	-85 dBm	+23.0 dBm
	18 Mbps	-91 dBm	-89 dBm	-84 dBm	+23.0 dBm
	24 Mbps	-87 dBm	-85 dBm	-80 dBm	
	36 Mbps	-84 dBm	-82 dBm	-77 dBm	+22.5 dBm
	48 Mbps	-79 dBm	-77 dBm	-72 dBm	+20.0 dBm
	54 Mbps	-75 dBm	-74 dBm	-68 dBm	+19.5 dBm
<b>802.11b</b>					
	1 Mbps	-96 dBm	-95 dBm	-89 dBm	24.0 dBm
	2 Mbps	-94 dBm	-93 dBm	-86 dBm	24.0 dBm
	5.5 Mbps	-93 dBm	-92 dBm	-85 dBm	24.0 dBm
	11 Mbps	-99 dBm	-88 dBm	-83 dBm	24.0 dBm

Specifications	
Chipset	Atheros AR5414A / AR5414-B2B
RF connector	MMCX or UFL (optional)
Dimensions	6 cm X 5 cm / (2.1 inch X 1.97 inch)
Weight	19 g / 0.041 lb
Operational temperature	0°C to +70°C (for AR5414A) -40°C to +80°C (for AR5414A-B2B)
Storage temperature	-20°C to +80°C (for AR5414A) -45°C to +85°C (for AR5414A-B2B)
Warranty	One year