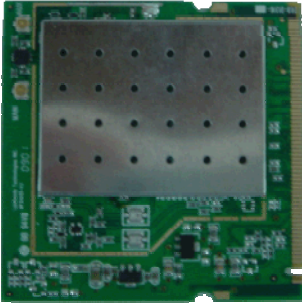


**Model Number : MF5A-H5 500mW 2.4/5GHz WiFi-Super a/b/g Mini PCI Module**



The MF5A-H5 is a High Power mini PCI solution based on Atheros AR5414 for 5GHz and 2.4GHz wireless local area networks. The AR5414 is an integrated transceiver radio that support the IEEE802.11a, IEEE802.11b, and IEEE802.11g . This card is a good solution for users who need Mini PCI 802.11a/b/g WLAN functionality .

**Feature:**

- Works with both IEEE 802.11 a/b/g products
- 27 dBm for 2.4 GHz , 24 dBm for 5GHz
- High-speed transfer data rate – up to 108Mbps (Super A/G)
- Support Wake on LAN (subject to software)
- Support 64/128 or 152-bit WEP
- Support WPA/WPA2, WPA/WPA2-Personal, WPA/WPA2-Enterprise securities
- Support WPA WMM, WPA WPS
- TCP/DFSDFS2.0 (802.11h)
- Mini PCI type IIIB form factor
- Support 32-bit PCI interface
- Multiple-BSSID, VLAN Tagging , AP Autoscan
- WDS Modes
- Japan Mid Band
- Smart Selection Function



**LanReady Technologies Inc.**

4F., No.337, Sinhu 2nd Rd., Neihu District, Taipei City 114, Taiwan  
 Tel: 886-2-2796-8188 Fax: 886-2-2796-8158 http://www.lanready.com

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Electrical Specifications	
Interface	Mini-PCI V1.0
Standards Conformance	IEEE802.11 a/b/g
Data Transfer Rate	IEEE802.11b : 1 / 2 / 5.5 / 11Mbps (auto sensing) IEEE802.11a/g : 6 / 9 / 12 / 18 / 24 / 36 / 48 / 54Mbps (auto sensing) Super-A/G : 6 / 9 / 12 / 18 / 24 / 36 / 48 / 54 / 72 / 96 / 108 Mbps
Access Method	Infrastructure Mode, Ad-Hoc Mode (802.11 Ad-Hoc), Roaming
Security	WEP64/128/152bit,TKIP,AES-CCMP,WPA-PSK,WPA2/PSK, 802.1x,EAP-TLS,EAP-TTlSp,PEAP(EAP-GTC),PEAP(EAP-MSCHAPv2) Jumpstar 2.0  <ul style="list-style-type: none"> <li>● Encryption Type WEP,AES , and Auto</li> <li>● Authentication 802.1x , WPA-TLS,WPA-PEAP,WPA-PSK, LEAP(Cisco CCX3.0)</li> <li>● Unique Key Define the unique encryption key for security for the current network configuration</li> <li>● Shared Keys Define a set of shared encryption keys</li> <li>● Key Length  64 bits(HEX/ASCII), 128bit(HEX/ASCII) , and 152(HEX/ASCII) Encryption</li> </ul>
Quality of Service (QOS)	802.11e (WMM , WMM-PS)

**Software Support**

- Operation System  
Windows98SE,Me,2000,XP and NT4,OSP6
- Network Access Mode  
IEEE802.11a Infrastructure/Ad-Hoc Mode, IEEE802.11b Infrastructure /Ad-Hoc Mode, and IEEE802.11g Infrastructure /Ad-Hoc mode
- Site Survey  
Support Access Points and IEEE 802.11a/b/g Ad-Hoc Network Scanning capacity
- Information List  
Selected Profile Information, Link Information and TCP/IP Information
- Profile  
Configuration Name
- Network Name(SSID)  
This is the name of the IEEE 802.11a/b/g wireless network
- Network Connection  
Define whether the STA is configured for an ad-hoc or infrastructure network
- Power Saving  
Allow the power management options :Off, Normal, and Maximum
- Wireless Mode  
Specify 802.11a mode,802.11b mode,and 802.11g mode or Auto-Select operation
- Start Ad-Hoc network  
Specify a band to establish an Ad-Hoc network
- Turbo Mode  
For 802.11a radio space (5GHz,108 Mbps)
- 802.11g Support  
For 54Mbps mode at 2.4GHz
- QoS  
Cooperate in a network using Quality of Service
- Country Code Selector  
Change Regulatory Domains





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	5GHz: -91dBm@6Mbps, -72dBm@54Mbps
<b>Antenna Connector</b>	IPEX Connector
<b>Power Consumption</b>	-Power Save mode = 55mA max. -Standby mode = 240mA max. -Transmit mode = 1770mA max at 2.4GHz, 1500mA max . at 5GHz . -Receive Mode = 250mA max. At 2.4GHz, 260mA max.at 5GHz
<b>Operating systems</b>	Windows XP, Windows2000, Windows ME, 98SE, Linux
<b>Environmental &amp; Mechanical Characteristics</b>	
<b>Operating Temperature</b>	0 °C ~ 70 °C
<b>Storage Temperature</b>	-20 °C ~ 80 °C
<b>Operating Humidity</b>	10% to 90% Non-Condensing
<b>Storage Humidity</b>	5% to 95% Non-Condensing
<b>Dimensions</b>	PCBA : 60X60X4 mm
<b>Weight</b>	20g