

Model Number: MF5A-V2 WiFi-Super a/b/g Mini PCI Module



The MF5A-V2 is a 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
- 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
- M-BSSID, VLAN Tagging, AP Autoscans
- WDS Modes
- Japan Mid Band
- Smart Selection Function

| Electrical Specifications | |
|---------------------------|--|
| Interface | Mini-PCI |
| Standards Conformance | IEEE802.11 a/b/g |
| Data Transfer Rate | IEEE802.11b : 1 / 2 / 5.5 / 11Mbps (auto sensing) IEEE802.11g : 6 / 9 / 12 / 18 / 24 / 36 / 48 / 54Mbps (auto sensing) Super-AG : 6 / 9 / 12 / 18 / 24 / 36 / 48 / 54 / 72 / 96 / 108 Mbps |



LanReady Technologies Inc.

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| Access Method | Infrastructure Mode, Ad-Hoc Mode (802.11 Ad-Hoc), Roaming |
| Security | <p>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</p> <ul style="list-style-type: none"> ● Encryption Type WEP,AES , and Auto ● Authentication 802.1x , WPA-TLS,WPA-PEAP,WPA-PSK, LEAP(Cisco CCX) ● Unique Key Define the unique encryption key for security for the current network configuration ● Shared Keys Define a set of shared encryption keys ● Key Length 64 bits(HEX/ASCII), 128bit(HEX/ASCII) , and 152(HEX/ASCII) Encryption |
| Quality of Service (QOS) | 802.11e (WMM , WMM-PS) |
| Software Support | <ul style="list-style-type: none"> ● 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) |



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| | IEEE802.11b : 1Mbps -89dBm 2Mbps -88dBm 5.5Mbps -86dBm 11Mbps -84dBm |
| Antenna Connector | IPEX Connector * 2 |
| Power Consumption | -Power Save mode = 55mA max. -Standby mode = 330mA max. -Transmit mode = 480mA max. -Receive Mode = 330mA max. |
| Operating systems | Windows XP, Windows2000, Windows ME, 98SE, Linux |
| Environmental & Mechanical Characteristics | |
| Operating Temperature | 0 °C ~ 70 °C |
| Storage Temperature | -20 °C ~ 80 °C |
| Operating Humidity | 10% to 90% Non-Condensing |
| Storage Humidity | 5% to 95% Non-Condensing |
| Dimensions | PCBA : 60X45X4 mm |
| Weight | 20g |