



WLM54G 6A-23 MINIPCI

Atheros AR2413 Chipset
23dBm @ 2.4G (200mW)

Compex WLM54G 6A-23 MiniPCI network adapter is a compact, lightweight, has high-performance and low power consumption. Built on Atheros AR2413 chipset, it can be used for all IEEE802.11b/g compatible WLAN and support up to 54Mbps high-speed data rate. It is ideally suited for integration in a wide range of OEM devices.

WLM54G 6A-23 MiniPCI network adapter offers a output power of up to 23dBm on B/G band, and also supports a variety of security features such as WEP, AES, receive and transmit filtering, error recovery, quality of service (QoS) as well as IEEE802.1x standard, thus providing security to the wireless network and increase WLAN performance.

- ◆ **High Performance with Low Power Consumption**
- ◆ **Output Power of up to 23dBm at b/g band**
- ◆ **Affordable and ideal for a variety of applications**

Features

- 2.4GHz IEEE 802.11 b/g standard
- Up to 54Mbps high-speed data rate
- Output Power of up to 23dBm @ b/g Band
- Dynamic Frequency Selection (DFS)
- Wi-Fi Protected Access Client Support (WPA)
- Transmission Power Control (TPC)
- Multi-country Roaming Support (IEEE802.11d)
- Flexibility: flexible design for embedded system or OEM project

Applications

- Infrastructure Networking
- Embedded system or OEM device

WLM54G 6A-23 MINIPCI TECHNICAL SPECIFICATIONS

MODEL		WLM54G 6A-23 (Wireless-G)
CHIPSET		AR2413
SPEED (max)		54Mbps
OUTPUT POWER		
802.11b	1-11Mbps	23dBm
802.11g	6-24Mbps	23dBm
	36Mbps	22dBm
	48Mbps	19dBm
	54Mbps	17dBm
POWER CONSUMPTION		
2.5W		
STANDARDS		
IEEE 802.11b:	11Mbps, 5.5Mbps, 2Mbps, 1Mbps	
IEEE 802.11g:	54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps, 6Mbps, automatically fallback to 5.5Mbps, 2Mbps, 1Mbps	
FREQUENCY RANGE		
IEEE 802.11b/g	2.412GHz ~ 2.462GHz (US & Canada)	
	2.412GHz ~ 2.472GHz (Europe)	
	2.412GHz ~ 2.484GHz (Japan)	
NETWORK INTERFACE		
PCI interface v2.3 (Type III-B Mini PCI form factor)		
ANTENNA CONNECTOR		
Two antenna connectors (U.FL)		
MODULATION TECHNIQUES		
OFDM and DSSS		
OFDM: BPSK, QPSK, 16 QAM, 64QAM		
DSSS: DBPSK, DQPSK, CCK		
RECEIVER SENSITIVITY		
802.11b	-92 dBm @ 1Mbps,	-87 dBm @ 11Mbps
802.11g	-90 dBm @ 6Mbps,	-70 dBm @ 54Mbps
OPERATING CHANNELS		
US and Canada	11 Channels	
Europe	13 Channels	
Japan	14 Channels	
SECURITY		
64/128 Bit WEP, WPA/WPA2 , IEE802.1X Authentication		
CERTIFICATE		
FCC ,		
RoHS Compliance		
Yes		
ENVIRONMENTAL SPECIFICATIONS		
Temperature	Operating -20°C to 70°C	
	Storage -65°C to 100°C	
Humidity	Operating 5% to 95% (non-condensing)	
DIMENSIONS & WEIGHT		
Dimensions	6.0cm x 4.5cm (L x B)	
Weight	20 grams	

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