

Wireless LAN 802.11a/b/g mini-PCI module Spec.

Applicant: Wistron NeWeb Corporation

Manufacturer: Wistron NeWeb Corporation

Product Name : Wireless LAN 802.11a/b/g Mini-PCI module

Brand Name : Wistron NeWeb

Model Name : EM-500AG

Items	Contents
1. Modulation type	11a:OFDM ; 11b:DSSS; 11g:OFDM
2. Number of channels	11a: 8 channels for USA, Canada 3 channels for Taiwan, 8 channels for R&TTE 4 channels for Japan. 11b: 11 channels for USA, Taiwan, Canada 13 channels for R&TTE 14 channels for Japan 11g: 11 channels for USA, Taiwan, Canada 13 channels for R&TTE 14 channels for Japan
3. Carrier frequency of each channel	11a: USA, Canada, R&TTE: 5.18,5.20, 5.22,5.24,5.26,5.28,5.30,5.32 GHz. Taiwan: 5.28, 5.30, 5.32 GHz Japan: 5.17, 5.19, 5.21, 5.23 GHz. 11b&11g: USA, Taiwan, Canada, 2.412, 2.417, 2.422, 2.427, 2.432, 2.437, 2.442, 2.447, 2.452, 2.457, 2.462 GHz. 11b&11g: R&TTE 2.412, 2.417, 2.422, 2.427, 2.432 2.437, 2.442, 2.447, 2.452, 2.457, 2.462, 2.467, 2.472 GHz. 11b&11g: Japan 2.412, 2.417, 2.422, 2.427, 2.432 2.437, 2.442, 2.447, 2.452, 2.457, 2.462, 2.467, 2.472, 2.484 GHz.
4. Bandwidth of each channel	11a & 11g :16.56MHz for –3dB BW 11b:14MHz for 90% power
5. L.O. frequency of receiver	11a:0.8*channel frequency 11b: 3.136 GHz

	11g: 3.168 GHz
6. Transmitter or Transceiver *	Transceiver
7. Power Rating (DC/AC, Volt rating)	3.3Vdc/540mA Max
8. Norminal output power to Antenna	11a: 16dBm (Channel 1- 4) 18.5 dBm (Channel 5-8) 11b:17 dBm; 11g: 17dBm
9. Duty Cycle	99% test mode
10. Basic function of product	Wireless data communication
11. I/O Port or data cable if any	MiniPCI
12. Operation temperature range	0 ~ 75 degree C