

WL-352B Wireless LAN Card Specifications

Rev.1.0

Product Name	11 Mbps Wireless LAN Mini-PCI Card	
Model Number	WL-352B	
Host Interface	Mini-PCI Type III A	
Dimensions	59.7 x 59.95 x 3.5 mm	
Weight	11g	
Frequency Band	2.412 ~ 2.4835GHz (subject to local regulations)	
Number of Channels	USA and Canada – 11	Most European countries – 13
	France – 4	Japan – 14
Operating Voltage	3.3V	
Current Consumption	RX ≤ 230mA TX ≤ 350mA	
Modulation Type	DSSS (Direct Sequence Spread Spectrum)	
Data Rate	11 Mbps; 5.5 Mbps; 2 Mbps; 1 Mbps	
Transmit Power	Typ. 14 dBm	
Receive Sensitivity	Typ -80 dBm @11Mbps	
Modulation	11 Mbps and 5.5 Mbps: CCK; 2 Mbps: DQPSK; 1 Mbps: DBPSK	
Security	64-bit, 128-bit WEP	
Antenna	Build-in Inside host	
LED indicator	None	
Supplied Driver	Windows 2000, Windows XP	
Standards	IEEE 802.11b, Wi-Fi compliant	
Media Access Protocol	CSMA/CA with ACK	
Warranty	1 year	
Temperature Range	0 ~ 65°C (Operating), -20~85°C (Storage)	
Humidity	Max. 95% Non-condensing	
Operating Range	Open space: 100 – 300m; Indoor: 30m – 100m The transmission speed varies in the surrounding environment.	
Roaming	Full mobility and seamless roaming from cell to cell and across access points	
Network Protocol	TCP/IP, IPX, NetBEUI	
Management Utility	Link configuration for network join and diagnostics	
EMC certification	FCC part 15B, 15C ; R&TTE ; TELEC/JATE	
Packaging	Customer define	
CIS	Customer define	

WL-550 IEEE 802.11a Mini-PCI General Specification Sheet

Revision History

Revision	Date	Change Description
V0.1	2001/11/12	Preliminary
V0.2	2002/01/30	Correct and update some spec.

Specification

Product Name	54 Mbps Wireless LAN Mini-PCI Card
Model Number	WL-550
Host Interface	Mini PCI type III A
Dimensions	60.0 x 50.90 x 5 mm
Weight	13g
Frequency Band	Unlicensed National Information Infrastructure (U-NII) frequency band, 5.15GHz to 5.35GHz (subject to local regulations)
Number of Channel	5.15~5.25GHz (lower band) Four 20MHz Channels 5.25~5.35GHz(middle band) Four 20MHz Channels
Operating Voltage	3.3V $\pm$ 5% 5V $\pm$ 5% for external PA
Spreading	Orthogonal Frequency Division Multiplexing (OFDM)
Modulation	64 QAM, 16 QAM, QPSK, BPSK
Data Rate	54, 48, 36, 24, 18, 12, 9, 6 Mbps per channel, auto fallback for extended range; (option : Enhanced proprietary Turbo Mode up to 72 Mbps)
Security	64/128/152-bit WEP Encryption
Antenna	Build-in inside host.(HRS:U.FL-R-SMT(10))
Transmitted power	Max. +17dBm @ 16QAM R3/4
Receive Sensitivity	Nominal Temp Range: - 6Mbps 10-5 BER @ -86dBm, typical - 9Mbps 10-5 BER @ -85dBm, typical - 12Mbps 10-5 BER @ -84dBm, typical - 18Mbps 10-5 BER @ -82dBm, typical - 24Mbps 10-5 BER @ -80dBm, typical - 36Mbps 10-5 BER @ -75dBm, typical - 48Mbps 10-5 BER @ -68dBm, typical - 54Mbps 10-5 BER @ -67dBm, typical
Power consumption	Max.1.95W
Supplied Driver	Windows 98SE/ME/NT4.0/2000/XP
Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.11a
Warranty	1 year
Temperature Range	0 ~ 60°C (Operating); -40 ~ 85°C (Storing)
Humidity	Max. 95% non-condensing
Operating Range	Open Space: Up to 300 m: Indoor: 100 m The transmission speed varies in the surrounding environment
Roaming	Seamless roaming among 802.11a compliant access points
Network Protocol	TCP/IP, IPX, NDIS4, and NDIS5 ,NDIS 5.1

Management Utility	Configuration Utility for network join and diagnostics
EMC certification	FCC part 15 class in US, and TELEC/JATE in Japan
System Requirements	Laptop PC containing → 64MB memory or greater → 300MHz processor or greater Microsoft Windows 98 Second Edition/Millennium Edition/2000/NT 4.0 with Service Pack 6