

Wireless LAN Card

IEEE802.11a/11g Compliant

WN-DCB Series

This is a PC card (Cardbus) type wireless LAN card that complies with the IEEE802.11a and IEEE 802.11g standards. You can choose the best communication method depending on the wireless conditions and the layout of the building.



FEATURES

- Complies with the IEEE802.11a and IEEE802.11g standards and is capable of high speed wireless communication of up to 54Mbps.
- Because it complies with IEEE802.11a, IEEE802.11g and IEEE802.11b standards, users can choose the best communication method for a given situation.
- Supports WEP (64-, 128- and 152-bit), IEEE802.1x (EAP-TLS) and WPA for enhanced security functions.
- It is equipped with a diversity antenna to provide stable communication.

SPECIFICATIONS

Product name	WN-DCB series	
	During 5GHz communication	During 2.4GHz communication
International standards	IEEE802.11a compliant	IEEE802.11g and 11b compliant
Japanese standards	ARIB STD-T71 compliant	ARIB STD-T66 compliant
Modulation	OFDM (Orthogonal Frequency Division Multiplexing)	OFDM (Orthogonal Frequency Division Multiplexing)/ DSSS (Direct-Sequence Spread-Spectrum)
Communication frequency	5.17 to 5.23GHz (central frequency)	2.412 to 2.472GHz (central frequency)
Number of communication channels	4 (automatic channel selection)	13 (automatic channel selection)
Communication speed	54, 48, 36, 24, 18, 12, 9, or 6Mbps (automatic speed switching)	54, 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, or 1Mbps (automatic speed switching)
Transmission output	No greater than 19dBm	
Security	WEP (64-, 128- and 152-bit), IEEE802.1x (EAP-TLS) ^{*1} and WPA ^{*2}	
Operating voltage	DC.3.3V±5%	
PC interface	Complies with 32-bit CardBus 7.1 Specifications ^{*2}	
Supported operating systems of driver ^{*4}	Windows®XP, Windows®2000, Windows®Me, Windows®98SE, Linux ^{*5}	
External dimensions	Approx. 54×119×5mm [W×D×H] (Height of antenna: 9mm)	
Weight	Approx. 43g	

^{*1} Only Windows®XP SP1 is supported when using IEEE802.1x.

^{*2} WPA compliance TBA.

^{*3} This product is designed exclusively for 3.3V (CardBus compatible) PC card slots and cannot be used in 5V PC card slots.

^{*4} Please inquire for other operating systems.

^{*5} Linux compliance TBA.

- This product cannot be used outdoors in the 5GHz band due to Radio Law restrictions.
- This product cannot communicate with Bluetooth products.
- This product cannot be used in the 5GHz and 2.4GHz band at the same time.
- Specifications shown in this catalog are for the Japanese market. Please inquire for applications in other markets.

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- All specifications are subject to change without notice.