

## General Specification

Product Name: WLAN Adapter Card

Model Number: WN8522D2

Current Consumption	5VDC
Operating Temperature	0~60°C ambient
Storage Temperature	-20~60°C ambient
Frequency Band	2400MHz ~ 2483.5MHz、5150MHz ~ 5250MHz 5725MHz ~ 5850MHz
Frequency Range	802.11b/g/n-HT20: 2412MHz ~ 2462MHz 802.11n-HT40: 2422MHz ~ 2452MHz 5755MHz ~ 5795MHz 5190MHz ~ 5230MHz 802.11a/HT20: 5745MHz ~ 5825MHz 5180MHz ~ 5240MHz
Radio Technology	802.11b: DSSS Modulation (DBPSK/DQPSK/CCK) 802.11a/g/n-HT20/n-HT40: OFDM Modulation (BPSK/QPSK/16QAM/64QAM)
Data Transfer Rate	802.11b: 1/2/5.5/11Mbps 802.11a/g: 6/9/12/18/24/48/54Mbps 802.11n: up to 300Mbps
Output Power	2400MHz ~ 2483.5MHz:21.68dBm 5150MHz ~ 5250MHz:13.37dBm 5725MHz ~ 5850MHz:24.24dBm

### Antenna Information

Antenna Part Number	Manufacture	Antenna Type	Peak Gain W/ Cable loss (dBi)	
			Frequency (MHz)	Max Gain (dBi)
Ant_L Ant./120800003400J	arcadyan	MIFA Antenna	2.4GHz	0.97dBi (peak)
			2.45GHz	1.25dBi (peak)
			2.5GHz	0.94dBi (peak)
			5.15GHz	1.73dBi (peak)
			5.25GHz	1.89dBi (peak)
			5.725GHz	1.54dBi (peak)
			5.825GHz	1.44dBi (peak)
			5.85GHz	1.45dBi (peak)
Inner Ant./120800003600J	arcadyan	MIFA Antenna	2.4GHz	1.24dBi (peak)
			2.45GHz	1.35dBi (peak)
			2.5GHz	1.64dBi (peak)
			5.15GHz	1.19dBi (peak)
			5.25GHz	1.78dBi (peak)
			5.725GHz	0.91dBi (peak)
			5.825GHz	1.62dBi (peak)
			5.85GHz	1.27dBi (peak)