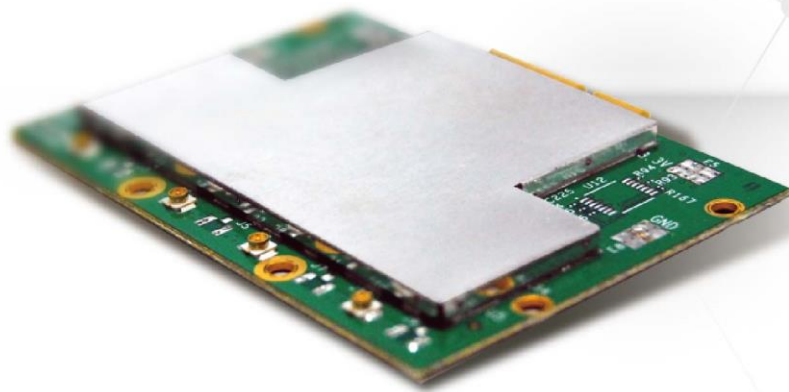




AC-923

802.11b/g/n (4X4) PCI Express Mini Card



The AC-923 is an IEEE 802.11b/g/n wireless embedded module that delivers exceptional wireless performance. This wireless module is available on an IEEE 802.11b/g/n 4x4 mPCIe card.

Hardware	Standards	IEEE 802.11b/g/n
	Host Interface	mini PCIe
	Operating Voltage	DC 3.3V & 5V ± 5%
	Operating Frequency	FCC: 2.412 GHz – 2.462 GHz CE: 2.412 GHz – 2.472 GHz
	Modulation	802.11b: DSSS (DBPSK, DQPSK, CCK) 802.11g: OFDM (BPSK, QPSK, 16-QAM, 64-QAM) 802.11n: OFDM (BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM)
	Output Power	802.11b: 20dBm 802.11g: 20dBm 802.11n: 20dBm
	Receive Sensitivity	IEEE 802.11g/n 11g: -91 dBm @ 6Mbps 11n: -92 dBm @ HT20
	Antenna Connector	4 U.FL
Physical Characteristics	Dimensions	Weight
	73.66mm * 50.8mm (Tolerance±0.15mm)	≤ 15g
Environmental	Operating	Storage
	Temperature: -30 – 60 °C Humidity: 90% RH (non-condensing)	Temperature: -40 – 70 °C Humidity: 10 – 90% RH
Safety/Country Approval	CE	EN301893 V1.7.1 EN301489 -1/-17 EN55022
	RoHS/REACH Compliance	

PIN Definition							
No.	Description	No.	Description	No.	Description	No.	Description
1	WAKE#	2	3.3V	3	Chip power down Control#	4	GND
5	Reserved	6	Reserved	7	CLKREQ#	8	Reserved
9	GND	10	Reserved	11	REFCLK-	12	Reserved
13	REFCLK-	14	Reserved	15	GND	16	Reserved
17	Reserved	18	GND	19	Reserved	20	WLAN Disable
21	GND	22	RESET#	23	PERn0	24	3.3V
25	PERp0	26	GND	27	GND	28	Reserved
29	GND	30	Reserved	31	PETn0	32	Reserved
33	PETp0	34	GND	35	GND	36	Reserved
37	Reserved	38	Reserved	39	Reserved	40	GND
41	Reserved	42	Reserved	43	GND	44	WLAN LED
45	5V	46	Reserved	47	5V	48	Reserved
49	5V	50	GND	51	5V	52	3.3V