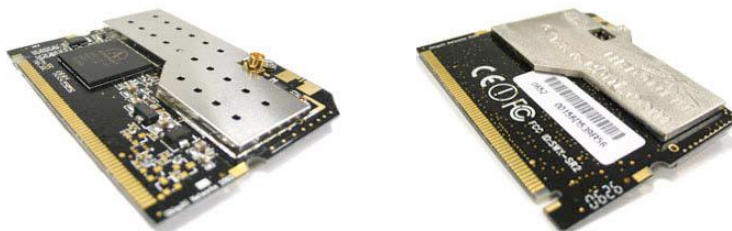




SUPER RANGE 2

Powerful Range and Throughput Performance for Wi-Fi Networks



CARD INFORMATION			
Chipset	Atheros, 4th Generation, AR5213		
Radio Operation	IEEE 802.11b/g, 2.4GHz		
Interface	32-bit mini-PCI Type IIIA		
Operation Voltage	3.3VDC		
Antenna Ports	u.fl (main), MMCX (secondary)		
Temperature Range	-40C to +80C		
Security	WPA, WPA2, AES-CCM & TKIP Encryption, 802.1x, 64/128/152bit WEP		
Data Rates	6Mbps, 9Mbps, 12Mbps, 24Mbps, 36Mbps, 48Mbps. 54Mbps		
TX Channel Width Support	5MHz / 10MHz / 20MHz / 40MHz		
RoHS Compliance	YES		
REGULATORY INFORMATION			
Wireless Modular Approvals	FCC Part 15.247, CE(100mW limited)		
RADIO OPERATING FREQUENCY 2412-2462 MHz (2312-2732 MHz*)			

MINI-PCI INTERFACE PINOUT

#	InUse	Pin Name	Description	#	InUse	Pin Name	Description
1	X	TIP	1 Conductor, local loop wire pair	63	YES	3.3V	3.3 V Supply voltage
2	X	RING	1 Conductor, local loop wire pair	64	YES	FRAME#	Indicates Bulk Transfer
3	X	8PMJ-3	Pin 3 of optional 8-pin modular jack	65	YES	CLKRUN#	Stops clock on certain mobile PCI
4	X	8PMJ-1	Pin 1 of optional 8-pin modular jack	66	YES	TRDY#	Target Ready
5	X	8PMJ-6	Pin 6 of optional 8-pin modular jack	67	YES	SERR#	Catastrophic system error
6	X	8PMJ-2	Pin 2 of optional 8-pin modular jack	68	YES	STOP#	Target wishes to end transfer
7	X	8PMJ-7	Pin 7 of optional 8-pin modular jack	69	YES	GROUND	Ground
8	X	8PMJ-4	Pin 4 of optional 8-pin modular jack	70	YES	3.3V	3.3 V Supply voltage
9	X	8PMJ-8	Pin 8 of optional 8-pin modular jack	71	YES	PERR#	Indicates Parity Error
10	X	8PMJ-5	Pin 5 of optional 8-pin modular jack	72	YES	DEVSEL#	PCI Device Select
11	X	LED1_GRNP	Interface for external LEDs	73	YES	C/BE[1]#	Byte Enable
12	X	LED2_YELP	Interface for external LEDs	74	YES	GROUND	Ground
13	X	LED1_GRNN	RF Silent input	75	YES	AD[14]	Multiplexed Address/Data Bus
14	X	LED2_YELN	Interface for external LEDs	76	YES	AD[15]	Multiplexed Address/Data Bus
15	YES	CHSGND	Chassis Ground	77	YES	GROUND	Ground
16	X	RESERVED	-	78	YES	AD[13]	Multiplexed Address/Data Bus
17	X	INTB#	Interrupt Request B	79	YES	AD[12]	Multiplexed Address/Data Bus
18	X	5V	5 V Supply voltage	80	YES	AD[11]	Multiplexed Address/Data Bus
19	YES	3.3V	3.3 V Supply voltage	81	YES	AD[10]	Multiplexed Address/Data Bus
20	YES	INTA#	Interrupt Request A	82	YES	GROUND	Ground
21	X	RESERVED	-	83	YES	GROUND	Ground
22	X	RESERVED	-	84	YES	AD[09]	Multiplexed Address/Data Bus
23	YES	GROUND	Ground	85	YES	AD[08]	Multiplexed Address/Data Bus
24	YES	3.3VAUX	3.3 V supply-uninterrupted	86	YES	C/BE[0]#	Byte Enable
25	YES	CLK	PCI Clock	87	YES	AD[07]	Multiplexed Address/Data Bus
26	YES	RST#	PCI Reset	88	YES	3.3V	3.3 V Supply voltage
27	YES	GROUND	Ground	89	YES	3.3V	3.3 V Supply
28	YES	3.3V	3.3 V Supply voltage	90	YES	AD[06]	Multiplexed Address/Data Bus
29	YES	REQ#	PCI Bus Request	91	YES	AD[05]	Multiplexed Address/Data Bus
30	YES	GNT#	PCI Bus Grant	92	YES	AD[04]	Multiplexed Address/Data Bus
31	YES	3.3V	3.3 V Supply voltage	93	X	RESERVED	-
32	YES	GROUND	Ground	94	YES	AD[02]	Multiplexed Address/Data Bus
33	YES	AD[31]	Multiplexed Address/Data Bus	95	YES	AD[03]	Multiplexed Address/Data Bus
34	X	PME#	Power Management Event	96	YES	AD[00]	Multiplexed Address/Data Bus
35	YES	AD[29]	Multiplexed Address/Data Bus	97	X	5V	5 V Supply voltage
36	X	RESERVED	-	98	X	RESERVED_WIP5	-
37	YES	GROUND	Ground	99	YES	AD[01]	Multiplexed Address/Data Bus
38	YES	AD[30]	Multiplexed Address/Data Bus	100	X	RESERVED_WIP5	-
39	YES	AD[27]	Multiplexed Address/Data Bus	101	YES	GROUND	Ground
40	YES	3.3V	3.3 V Supply voltage	102	YES	GROUND	Ground
41	YES	AD[25]	Multiplexed Address/Data Bus	103	X	AC_SYNC	AC97 Sync
42	YES	AD[28]	Multiplexed Address/Data Bus	104	X	M66EN	Enables 66 MHz PCI bus
43	YES	RESERVED	-	105	X	AC_SDATA_IN	AC97 Data Input
44	YES	AD[26]	Multiplexed	106	X	AC_SDATA_OUT	AC97 Data Output
45	YES	C/BE[3]#	Byte Enable	107	X	AC_BIT_CLK	AC97 Bit Clock
46	YES	AD[24]	Multiplexed Address/Data Bus	108	X	AC_CODEC_ID0#	Identifier for AC97 CODEC
47	YES	AD[23]	Multiplexed Address/Data Bus	109	X	AC_CODEC_ID1#	Identifier for AC97 CODEC
48	YES	IDSEL	Initialization Device Select	110	X	AC_RESET#	AC97 Reset
49	YES	GROUND	Ground	111	X	MOD_AUDIO_MON	Modem Audio Monitor
50	YES	GROUND	Ground	112	X	RESERVED	-
51	YES	AD[21]	Multiplexed Address/Data Bus	113	YES	AUDIO_GND	Analog Ground for line-level audio
52	YES	AD[22]	Multiplexed Address/Data Bus	114	X	GROUND	Ground
53	YES	AD[19]	Multiplexed Address/Data Bus	115	X	SYS_AUDIO_OUT	Telephone Audio Out
54	YES	AD[20]	Multiplexed Address/Data Bus	116	X	SYS_AUDIO_IN	Telephone Audio In
55	YES	GROUND	Ground	117	X	SYS_AUDIO_OUTG	Analog Ground for telephone audio
56	YES	PAR	Parity Bit	118	X	SYS_AUDIO_IN_G	Analog Ground for telephone audio
57	YES	AD[17]	Multiplexed Address/Data Bus	119	X	AUDIO_GND	Analog Ground for line-level audio
58	YES	AD[18]	Multiplexed Address/Data Bus	120	YES	AUDIO_GND	Analog Ground for line-level audio
59	YES	C/BE[2]#	Byte Enable	121	X	RESERVED	-
60	YES	AD[16]	Multiplexed Address/Data Bus	122	X	MPCIACT#	MiniPCI Function Active
61	YES	IRDY#	Initiator Ready	123	X	VCC5VA	5V Analog
62	YES	Ground	Ground	124	X	3.3VAUX	3.3 V supply-uninterrupted