

Features:

- **Qualcomm Atheros AR9287**
- **Antenna: U.FL * 2 for 2T2R**
- **Data Rates: allows link speeds up to 300Mbps**
- **Support Windows XP, Vista, Win7, Linux driver**

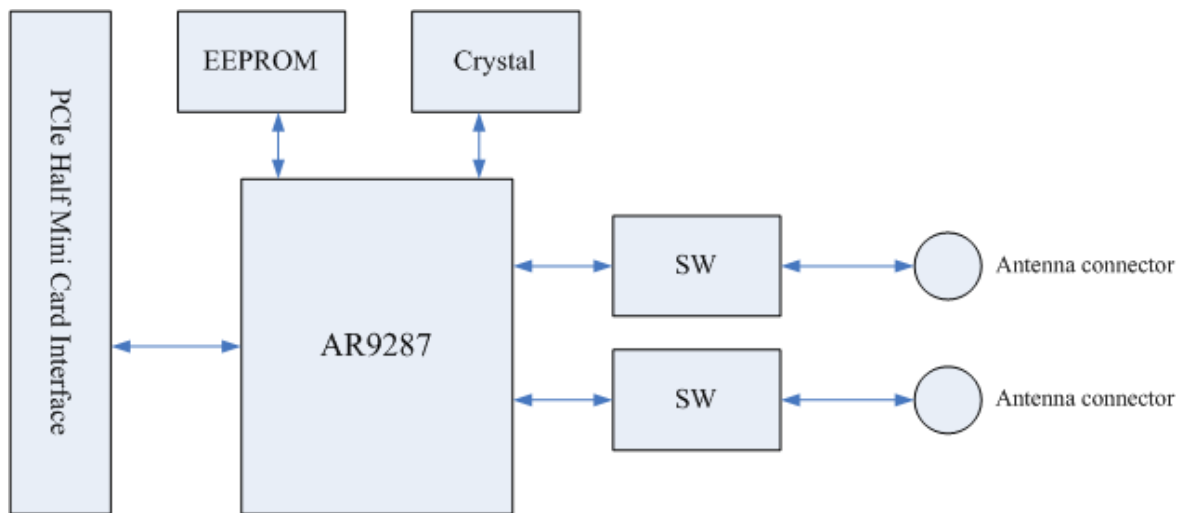
WPEA-250GN

802.11bgn Single-Band 2T2R Half Mini PCIe Module

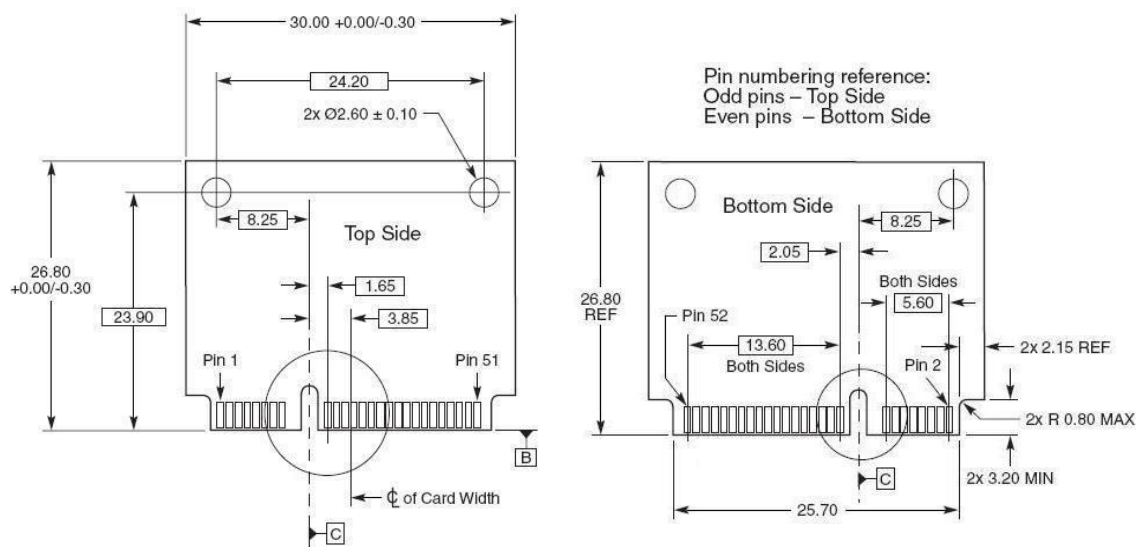


System	
Standards:	IEEE 802.11bgn (2T2R)
Chipset:	Qualcomm Atheros AR9287
Data Rate:	802.11b: 11Mbps / 802.11g: 54Mbps / 802.11n: 300Mbps
Operating Frequency:	IEEE 802.11 bgn ISM Band, 2.400GHz ~ 2.4835GHz *Subject to local regulations
Interface:	Mini PCI express
Form Factor:	Half Mini PCI-e
Antenna:	2 x UFL connector for 2T2R
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)
Operating Voltage:	3.3V ± 9% I/O supply voltage
Power Consumption:	TX: 570mA / RX: 530mA
Temperature Range:	0°C to +75°C (Operating) / -40°C to +85°C (Storage)
Humidity (Non-Condensing)	5% ~ 90% (Operating) / 5% ~ 95% (Storage)
Dimension (in mm):	30 x 26.8 x 4mm (±0.5mm)
Weight (g):	4.7g
Driver Support:	Windows XP, Vista, Win7, Linux
Security	64/128-bits WEP, WPA, WPA2

Block Diagram



Mechanical Dimension (mm)



Pin Assignment

Pin#	Pin Name	Status	Pin#	Pin Name	Status
1	WAKE_L	NC	2	+3.3V	YES
3	RESERVED	NC	4	GND	YES
5	RESERVED	NC	6	+1.5V	NC
7	CLKREQ_L	YES	8	UIM_PWR	NC
9	GND	YES	10	UIM_DATA	NC
11	REFCLK-	YES	12	UIM_CLK	NC
13	REFCLK+	YES	14	UIM_RESET	NC
15	GND	YES	16	UIM_VPP	NC
17	UIM_C8	NC	18	GND	YES
19	UIM_C4	NC	20	W_DISABLE_L	YES
21	GND	YES	22	PERST_L	YES
23	PERn0	YES	24	+3.3V	NC
25	PERp0	YES	26	GND	YES
27	GND	YES	28	+1.5V	NC
29	GND	YES	30	SMB_CLK	NC
31	PETn0	YES	32	SMB_DATA	NC
33	PETp0	YES	34	GND	YES
35	GND	YES	36	USB_D-	NC
37	RESERVED	NC	38	USB_D+	NC
39	RESERVED	NC	40	GND	NC
41	RESERVED	NC	42	LED_WWAN_L	NC
43	GND	YES	44	LED_WLAN_L	YES
45	RESERVED	NC	46	LED_WPAN_L	NC
47	RESERVED	NC	48	+1.5V	NC
49	RESERVED	NC	50	GND	YES
51	RESERVED	NC	52	+3.3V	YES