

Features:

- **Qualcomm Atheros AR9380-AL1A**
- **Antenna: U.FL *3 for 3T3R**
- **Data Rates: allows link speeds up to 450Mbps.**
- **Support Windows XP, Vista, Win7, Linux driver**

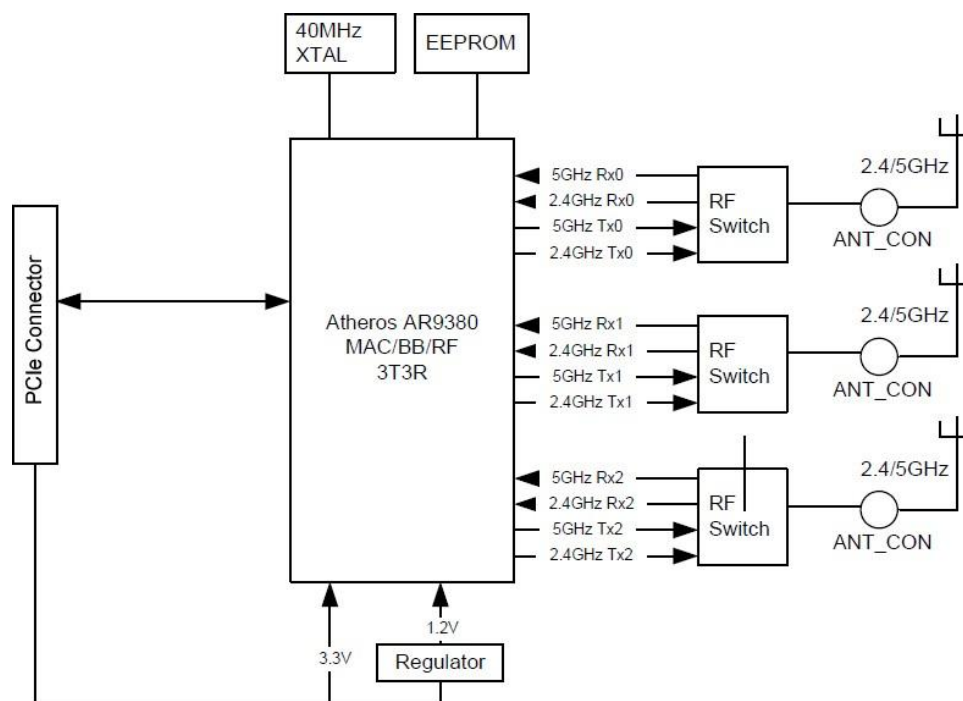
WPEA-127N

802.11abgn Dual-Band 3T3R Mini PCIe Module

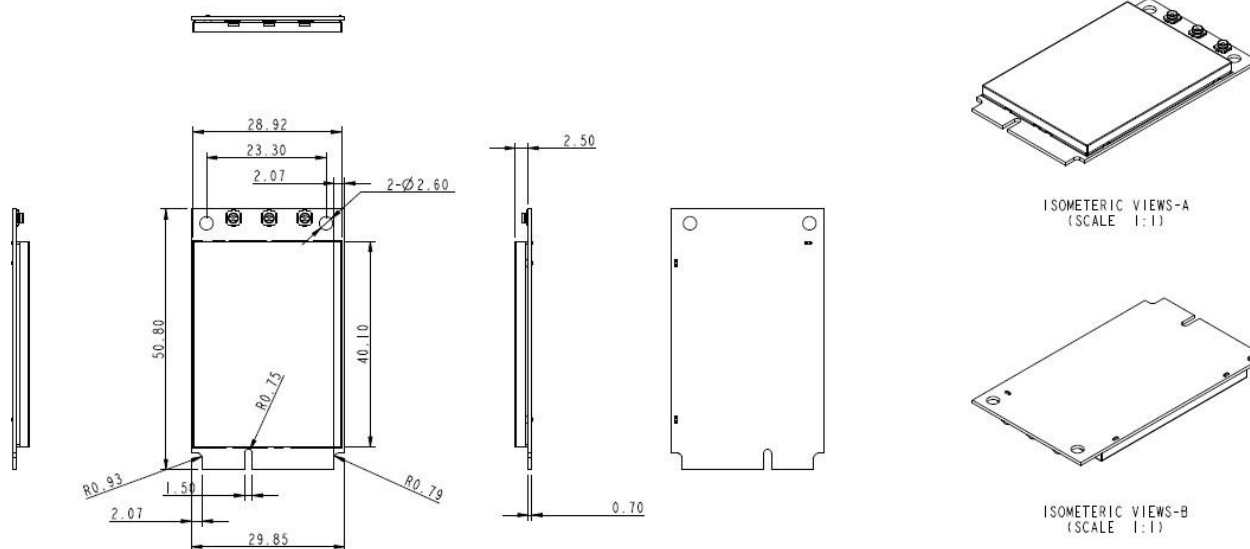


System	
Standards:	IEEE 802.11abgn (3T3R)
Chipset:	Qualcomm Atheros QCA9380-AL1A
Data Rate:	802.11b: 11Mbps / 802.11a/g: 54Mbps / 802.11n: 450Mbps
Operating Frequency:	IEEE 802.11 abgn ISM Band, 2.400GHz ~ 2.472GHz, 5.180MHz ~ 5.825MHz *Subject to local regulations
Interface:	Mini PCI Express
Form Factor:	Mini PCI-e
Antenna:	3 x UFL connector for 3T3R
Modulation:	802.11b: DSSS (DBPSK, DQPSK, CCK) 802.11a/g: 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: 950mA / RX: 350mA
Temperature Range:	0°C to +60°C (Operating) / -20°C to +70°C (Storage)
Humidity (Non-Condensing)	5% ~ 90% (Operating) / 5% ~ 95% (Storage)
Dimension (in mm):	50.8 x 28.92 x 3.3 mm
Weight (g):	≤ 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	NA	2	+3.3Vaux	YES
3	GPIO12	YES	4	GND	YES
5	RESERVED	NC	6	+1.5V	NC
7	CLKREQ_L	Optional	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	Optional
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	NA
31	PETn0	YES	32	SMB_DATA	NA
33	PETp0	YES	34	GND	YES
35	GND	YES	36	USB_D-	NC
37	RESERVED	NC	38	USB_D+	NC
39	+3.3V	YES	40	GND	NC
41	+3.3V	YES	42	LED_WWAN_L	NC
43	GND	NC	44	LED_WLAN_L (GPIO10)	Optional
45	RESERVED	NC	46	LED_WPAN_L	NC
47	GPIO13	YES	48	+1.5V	NC
49	GPIO14	YES	50	GND	YES
51	GPIO15	YES	52	+3.3V	YES