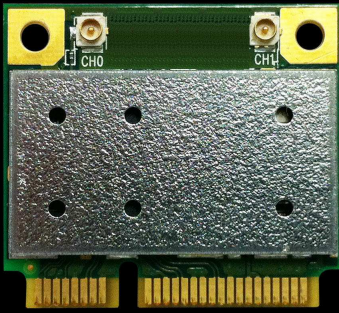


JWX6055

802.11ac/abgn 2T2R Half Mini-PCI-Express Module

Technical Specifications

Standards
Data Rate
Operating Frequency
Interface
Modulation
Recommended Operating Conditions
Output Power & Sensitivity



STANDARDS

Wireless: IEEE 802.11ac/abgn (2T2R) / Chipset: Qualcomm Atheros QCA9882

DATA RATE

802.11b: 11Mbps / 802.11a/g: 54Mbps / 802.11n: 300Mbps / 802.11ac: 867Mbps

OPERATING FREQUENCY

IEEE 802.11 ac/abgn ISM Band, 2.412GHz ~ 2.472GHz, 5150MHz ~ 5825MHz

INTERFACE

Mini PCI-e, Antenna Ports : U.FL * 2 for 2T2R

MODULATION

802.11a/g: OFDM (BPSK, QPSK, 16-QAM, 64-QAM)

802.11n: OFDM (BPSK, QPSK, 16-QAM, 64-QAM)

802.11ac: OFDM (BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM)

RECOMMENDED OPERATING CONDITIONS

Operating Voltage: DC 3.3V \pm 5%

Operating Temperature Range: -20°C to 70°C

Storage Temperature Range: -40°C to +80°C

Operating Humidity (non-condensing): 10% ~ 90%

Storage Humidity (non-condensing): 5% to 90%

Current consumption: TBD

Dimension (in mm): 29.79 x 26.75 mm

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OUTPUT POWER & SENSITIVITY

802.11b g		
Data Rate	Tx +/- 2dB (1TX)	Rx Sensitivity +/- 2dB
1~11Mbps	18dBm	-90dBm
6Mbps	18dBm	-91dBm
9Mbps	18dBm	-90dBm
12Mbps	18dBm	-90dBm
18Mbps	18dBm	-87dBm
24Mbps	18dBm	-84dBm
36Mbps	16dBm	-79dBm
48Mbps	15dBm	-77dBm
54Mbps	13dBm	-75dBm

802.11n/2.4GHz				
	Data Rate	Tx +/- 2dB (1TX)	Tx +/- 2dB (2TX)	Rx Sensitivity +/- 2dB
HT 20	MCS 0	17dBm	21dBm	-92dBm
	MCS 1	17dBm	21dBm	-92dBm
	MCS 2	17dBm	21dBm	-90dBm
	MCS 3	16dBm	19dBm	-86dBm
	MCS 4	16dBm	19dBm	-83dBm
	MCS 5	16dBm	19dBm	-78dBm
	MCS 6	14dBm	17dBm	-77dBm
	MCS 7	11dBm	14dBm	-76dBm
HT 40	MCS 0	17dBm	20dBm	-90dBm
	MCS 1	17dBm	20dBm	-89dBm
	MCS 2	17dBm	20dBm	-87dBm
	MCS 3	16dBm	19dBm	-84dBm
	MCS 4	16dBm	19dBm	-80dBm
	MCS 5	16dBm	19dBm	-76dBm
	MCS 6	14dBm	17dBm	-75dBm
	MCS 7	11dBm	14dBm	-73dBm

802.11a		
Data Rate	Tx +/- 2dB (1TX)	Rx Sensitivity +/- 2dB
6Mbps	16dBm	-92dBm
9Mbps	16dBm	-90dBm
12Mbps	16dBm	-88dBm
18Mbps	16dBm	-86dBm
24Mbps	16dBm	-82dBm
36Mbps	15dBm	-78dBm
48Mbps	14dBm	-75dBm
54Mbps	13dBm	-74dBm

802.11n/5GHz				
	Data Rate	Tx +/- 2dB (1TX)	Tx +/- 2dB (2TX)	Rx Sensitivity +/- 2dB
HT 20	MCS 0	16dBm	19dBm	-93dBm
	MCS 1	16dBm	19dBm	-91dBm
	MCS 2	16dBm	19dBm	-89dBm
	MCS 3	15dBm	18dBm	-85dBm
	MCS 4	15dBm	18dBm	-81dBm
	MCS 5	13dBm	16dBm	-77dBm
	MCS 6	11dBm	14dBm	-76dBm
	MCS 7	11dBm	14dBm	-74dBm
HT 40	MCS 0	16dBm	19dBm	-90dBm
	MCS 1	16dBm	19dBm	-88dBm
	MCS 2	16dBm	19dBm	-86dBm
	MCS 3	15dBm	18dBm	-82dBm
	MCS 4	15dBm	18dBm	-79dBm
	MCS 5	13dBm	16dBm	-75dBm
	MCS 6	11dBm	14dBm	-73dBm
	MCS 7	11dBm	14dBm	-72dBm

802.11ac				
	Data Rate	Tx +/- 2dB (1TX)	Tx +/- 2dB (2TX)	Rx Sensitivity +/- 2dB
VHT20	MCS 0	16dBm	19dBm	-93dBm
	MCS 1	16dBm	19dBm	-91dBm
	MCS 2	16dBm	19dBm	-89dBm
	MCS 3	15dBm	18dBm	-85dBm
	MCS 4	15dBm	18dBm	-81dBm
	MCS 5	13dBm	16dBm	-77dBm
	MCS 6	11dBm	14dBm	-75dBm
	MCS 7	11dBm	14dBm	-74dBm
	MCS 8	10dBm	13dBm	-70dBm
VHT40	MCS 0	16dBm	19dBm	-91dBm
	MCS 1	16dBm	19dBm	-88dBm
	MCS 2	16dBm	19dBm	-86dBm
	MCS 3	15dBm	18dBm	-81dBm
	MCS 4	15dBm	18dBm	-79dBm
	MCS 5	13dBm	16dBm	-75dBm
	MCS 6	11dBm	14dBm	-74dBm
	MCS 7	11dBm	14dBm	-72dBm
	MCS 8	10dBm	13dBm	-68dBm
	MCS 9	10dBm	13dBm	-66dBm
VHT80	MCS 0	16dBm	19dBm	-87dBm
	MCS 1	16dBm	19dBm	-85dBm
	MCS 2	16dBm	19dBm	-82dBm
	MCS 3	14dBm	17dBm	-79dBm
	MCS 4	14dBm	17dBm	-75dBm
	MCS 5	12dBm	15dBm	-71dBm
	MCS 6	11dBm	14dBm	-70dBm
	MCS 7	11dBm	14dBm	-68dBm
	MCS 8	9dBm	12dBm	-64dBm
	MCS 9	9dBm	12dBm	-62dBm

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