



JWX6085

802.11 a/b/g/n 2T2R Mini-PCI-Express Module

Technical Specifications

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

STANDARDS

Wireless: IEEE 802.11a/b/g/n (2T2R) / Chipset: Qualcomm Atheros AR9582

DATA RATE

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

OPERATING FREQUENCY

IEEE 802.11 a/b/g/n ISM Band, 2.412GHz ~ 2.472GHz, 5150MHz ~ 5850MHz

INTERFACE

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

RECOMMENDED OPERATING CONDITIONS

Operating Voltage: DC 3.3V \pm 0.1V
Temperature Range: -20°C to 70°C
Humidity (non-condensing): 20% ~ 80%
Current consumption: Tx : TBD
Dimension (in mm): 50.91 x 30.06 x 3.78mm

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OUTPUT POWER & SENSITIVITY

802.11bg		
Data Rate	Tx +/- 2dB	Rx Sensitivity +/- 2dB
1~11Mbps	19dBm	-96~-93dBm
6Mbps	19dBm	-89dBm
9Mbps	19dBm	-89dBm
12Mbps	19dBm	-88dBm
18Mbps	19dBm	-88dBm
24Mbps	19dBm	-86dBm
36Mbps	19dBm	-84dBm
48Mbps	18dBm	-79dBm
54Mbps	17dBm	-78dBm

802.11gn				
	Data Rate	Tx +/- 2dB (1TX)	Tx +/- 2dB (2TX)	Rx Sensitivity +/- 2dB
HT20	MCS 0	19dBm	22dBm	-89dBm
	MCS 1	18dBm	21dBm	-89dBm
	MCS 2	18dBm	21dBm	-86dBm
	MCS 3	18dBm	21dBm	-86dBm
	MCS 4	18dBm	21dBm	-83dBm
	MCS 5	17dBm	20dBm	-78dBm
	MCS 6	17dBm	20dBm	-76dBm
	MCS 7	16dBm	19dBm	-74dBm
HT40	MCS 0	19dBm	22dBm	-86dBm
	MCS 1	18dBm	21dBm	-86dBm
	MCS 2	18dBm	21dBm	-86dBm
	MCS 3	18dBm	21dBm	-83dBm
	MCS 4	18dBm	21dBm	-80dBm
	MCS 5	17dBm	20dBm	-75dBm
	MCS 6	17dBm	20dBm	-74dBm
	MCS 7	16dBm	19dBm	-72dBm

802.11a		
Data Rate	Tx +/- 2dB	Rx Sensitivity +/- 2dB
6Mbps	15dBm	-91dBm
9Mbps	15dBm	-90dBm
12Mbps	15dBm	-89dBm
18Mbps	15dBm	-86dBm
24Mbps	15dBm	-83dBm
36Mbps	14dBm	-80dBm
48Mbps	13dBm	-76dBm
54Mbps	12dBm	-74dBm

802.11an				
	Data Rate	Tx +/- 2dB (1TX)	Tx +/- 2dB (2TX)	Rx Sensitivity +/- 2dB
HT20	MCS 0	16dBm	19dBm	-91dBm
	MCS 1	15dBm	18dBm	-88dBm
	MCS 2	15dBm	18dBm	-86dBm
	MCS 3	15dBm	18dBm	-82dBm
	MCS 4	14dBm	17dBm	-78dBm
	MCS 5	13dBm	16dBm	-74dBm
	MCS 6	12dBm	15dBm	-72dBm
	MCS 7	11dBm	14dBm	-71dBm
HT40	MCS 0	16dBm	19dBm	-88dBm
	MCS 1	15dBm	18dBm	-85dBm
	MCS 2	15dBm	18dBm	-83dBm
	MCS 3	15dBm	18dBm	-79dBm
	MCS 4	14dBm	17dBm	-75dBm
	MCS 5	13dBm	16dBm	-71dBm
	MCS 6	12dBm	15dBm	-69dBm
	MCS 7	11dBm	14dBm	-68dBm

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