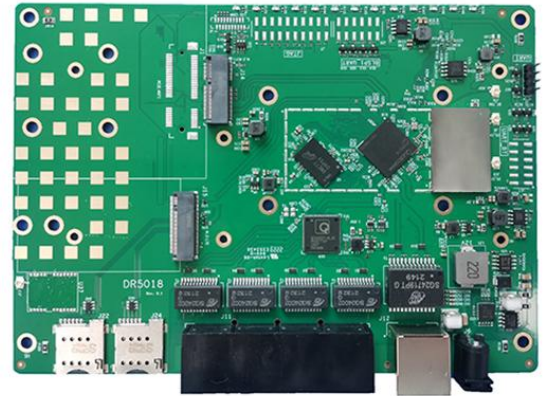


CONFIDENTIAL

Features

- Dual- core ARM 6 4 bit A5 3 @ 1 . 0 GHz Processor
- 512M DDRL3 L System Memory
- 8 MB NOR Flash, 1 2 8 MB NAND Flash
- 2 x2 On- board 2 .4GHz radio, upto 573Mbps physical Data Rate
Support BT5 . 1
- M. 2 Card Slot for 5G (QUECTEL RM 500 Q- GL) ;
M. 2 Card Slot for QCN9 0 7 4 WIFI 6 E Card



Applications

- 802 . 1 1ax MU- MIMO OFDMA Access Point
- Mesh router supporting Easy Mesh Hotel Wireless
- Smart AP TWT

Product Description

DR5018 based on IPQ5018 chipset is an enterprise wireless module integrated with BT5 . 1 Radio module and 2 x2 2 . 4 G high power Radio module designed specifically to provide users with mobile access to high - bandwidth video streaming, voice, and data transmission for office and challenging RF environment in factories, warehouses establishment.

Absolute Maximum Rating

Parameter	Rating	Unit
Operating Temperature Range	-40 to +70	°C
Storage Temperature Range	-45 to + 105	°C
Operating Humidity Range	5 to +95 (non-condensing)	%
Storage Humidity Range	0 to +90 (non-condensing)	%

Hardware Specifications

Symbol	Parameter
CPU	Qualcomm- Atheros IPQ5 0 18
CPU Frequency	Dual- core ARM 64 bit A53 @ 1.0 GHz processor
System Memory	512 MB DDR3 L 16 - bit interface with 32 - bit memory bus design It can support 1G (optional)
Ethernet Port	4 x 1 Gbps Ethernet Ports 1 x 1 Gbps Ethernet Port
NGFF Slot	M. 2 Card Slot for QCN9 0 7 4 WIFI 6 E Card M. 2 Card Slot for 5G (QUECTEL RM 500 Q- GL)
EMMC	NA
POE	Support
DC Jack	1.2 V power supply
LED header	LED for power , Wifi strength
Serial Port	support
Wireless	On- board 2x2 2.4 GHz MU- MIMO OFDMA 802 . 11 b/g/n/ax, max 23 dBm per chain 2 x IPEX Connectors
Bluetooth	BT5.1
Nor Flash	8 MB
Nand Flash	128 MB
DDR	512 MB
Dimension	170 mm×120 mm×15 mm

Radio TX Specifications(2412MHz-2482MHz)

Operating M ode	Data Rate	Power		Tolerance
		1 Chain	2 Chains	
2.4Ghz 802.11ax HE20	MCS0	23dbm	2 6dbm	± 2dB
	MCS1	2 3dBm	2 6dBm	± 2dB
	MCS2	2 3dBm	2 6dBm	± 2dB
	MCS3	2 3dBm	2 6dBm	± 2dB
	MCS4	2 3dBm	2 6dBm	± 2dB
	MCS5	2 3dBm	2 6dBm	± 2dB
	MCS6	2 3dBm	2 6dBm	± 2dB
	MCS7	2 2dBm	2 5dBm	± 2dB
	MCS8	2 1 dBm	2 4dBm	± 2dB
	MCS9	2 1 dBm	2 4dBm	± 2dB
	MCS10	18 dBm	2 1 dBm	± 2dB
	MCS11	17dbm	2 0dbm	± 2dB
2.4Ghz 802.11ax HE40	MCS0	23dbm	2 6dbm	± 2dB
	MCS1	2 3dBm	2 6dBm	± 2dB
	MCS2	2 3dBm	2 6dBm	± 2dB
	MCS3	2 3dBm	2 6dBm	± 2dB
	MCS4	2 3dBm	2 6dBm	± 2dB
	MCS5	2 3dBm	2 6dBm	± 2dB
	MCS6	2 3dBm	2 6dBm	± 2dB
	MCS7	2 2dBm	2 5dBm	± 2dB
	MCS8	2 1 dBm	2 4dBm	± 2dB
	MCS9	2 1 dBm	2 4dBm	± 2dB
	MCS10	2 1 dBm	2 4dBm	± 2dB
	MCS11	19dbm	2 2dbm	± 2dB

Block diagram

