



DR9074-2.4G(PN01.1) WiFi 6 (802.11ax) 4x4 MU-MIMO 2.4GHz QCN9074 Single Band Wireless Module

Features

- Qualcomm Atheros QCN9074
- 2.4GHz, max 23dBm per chain, up to 1147Mbps
- Single Band 2.4GHz 4x4 WiFi 6 (802.11ax)
- 4 spatial streams (4SS)
- M.2 E Key Interface
- PCI Express 3.0 Interface

Applications

- Security Surveillance
- Commercial radio coverage
- Hotel Wireless application
- Country coverage
- Forest fire protection engineering
- Some special scene application



Product Description

DR9074-2.4G(PN01.1) based on IPQ9074 Chipset is an enterprise wireless module integrated with 4x4 MU-MIMO 2.4GHz Single Band Wireless 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	-20 to 70	°C
Storage Temperature Range	-40 to 90	°C
Operating Humidity Range	5 to +95 (non-condensing)	%
Storage Humidity Range	0 to +90 (non-condensing)	%

Hardware Specifications

Symbol	Parameter
Chipset	Qualcomm Atheros QCN9074
WLAN Host Interface	PCI Express 3.0 Interface
System Memory	2Mbit serial I ² C bus EEPROM
Standard Operating Voltage	5V
Operating Systems	OpenWRT
Host Interface	M.2 E Key
Antenna Cable / Port	4xU.FL Connectors,4T4R
Frequency Range	2.412GHz-2.472GHz
Data Rates for WALN	2.4GHz, max 23dBm per chain, up to 4949Mbps
Channel Spectrum Widths for WLAN	Support 20/40MHz at 2.4GHz
Modulation Techniques	OFDMA: BPSK, QPSK, DBPSK, DQPSK,16-QAM, 64-QAM, 256-QAM,1024-QAM
Temperature Range	Operating: -20° C to 70° C, Storage: -40° C to 90° C
Humidity	Operating: 5% to 95% (non-condensing), Storage: Max. 90% (non-condensing)
Certification	TBD
Power Consumption	TBD
Reference Design	PN01.1
Dimensions (WxHxD)	57mm x 60mm x 3.2mm