



DR882-NAS

Access Point Wireless Module
Wireless AC/AN MiniPCIE Standard Card

Features

- Featuring with industrial-grade Atheros's QCA9882 chipset
- Integrated with 2x 2.5G high power Radio Card
- 4.940GHz to 5.825GHz Frequency Range
- 2 x 5G MMCX Connectors
- 20MHz/40MHz/80MHz Bandwidth
- Support 11AC/AN
- RoHS compliance ensure a high level protection of human health and the environment from risks that can be posed by chemicals

Applications

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

Product Description

DR882-NAS based on QCA9882 chipset is an enterprise wireless module integrated with 2x2.5G high power Radio card 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
Supply Voltage	3.3V(MINIPCIE)	V
Operating Temperature Range	-40 to +60	°C
Storage Temperature Range	-65 to +105	°C
Operating Humidity Range	5 to +95 (non-condensing)	%
Storage Humidity Range	0 to +90 (non-condensing)	%

Hardware Specifications

Symbol	Parameter
CPU	QCA9882
Antenna Connector	2 x 5G MMCX connectors
ROHS Compliance	YES
Dimension	50mm x 30mm x 16mm

Radio TX Specifications

Operating Mode	Data Rate	Power		Tolerance
		1 Chain	2 Chains	
802.11a	6 Mbps	25dBm	28dbm	±2dB
	54 Mbps	21dBm	24dbm	±2dB
802.11n HT20	MCS0, MCS8	25dBm	28dbm	±2dB
	MCS7, MCS15	20dBm	23dbm	±2dB
802.11n HT40	MCS0, MCS8	25dBm	28dbm	±2dB
	MCS7, MCS15	20dBm	23dbm	±2dB
802.11ac	MCS0, MCS10, MCS20	25dBm	28dbm	±2dB
	MCS9, MCS19, MCS29	17dBm	20dbm	±2dB

Radio RX Specifications

Operating Mode	Data Rate	Sensitivity
802.11a	6 Mbps	-96dBm
	54 Mbps	-78dBm
802.11n HT20	MCS0, MCS8	-92dBm
	MCS7, MCS15	-73dBm
802.11n HT40	MCS0, MCS8	-90dBm
	MCS7, MCS15	-70dBm