



DR600VX

The DR600VX is based upon the Qualcomm Peregrine (QCA988x) chipset solutions and is cost-optimised while offering an enterprise level Wireless module with high power 2x2 2.4 and 5GHz.

The DR600VX Radio module is specifically designed to provide users with mobile access to high-bandwidth video streaming, voice and data transmission in office and challenging RF environments.

It is particularly suited to environments such as factories, warehouses and outdoor wireless solutions.

Features

- Qualcomm QCA9890 Chipset
- 802.11ac/a/an compliant
- 5GHz 23dBm output power
- 2.4GHz 24dBm output power
- Mini PCI Express form factor
- OpenWRT Support
- Supports 4.9GHz Band (DR600VX-4.9)
- Spatial Multiplexing
- Cyclic-Delay Diversity (CDD)
- Low Density Parity Check (LDPC) Codes
- Maximal Ratio Combining (MRC)
- Space Time Block Code (STBC)

Applications

- 802.11ac Access Point
- Wireless Repeater
- Wireless ISP
- Wireless CPE
- Security
- Industrial Automation and Control

Interface	
Host Interface	Mini PCI Express 1.1
Antenna ports	2 x 50Ω U.FL Connectors
Voltage/Power	3.3V @
Hardware	
Chipset	QCA9880
Functionality	
Security	Encryption: WEP, WPA, WPA2-PSK, WPA2-Enterprise with 802.1X TKIP and AES encryption
Wireless Distribution System (WDS)	AP+WDS, Station+WDS
IEEE 802.1x Support	MAC Filtering (EAP or EAPOL)
Modulation	
OFDM BPSK QPSK DBPSK DQPSK 16-QAM 64-QAM 256-QAM	
Frequency	
802.11ac/an	4.9GHz-6GHz
802.11gn	2.4GHz-2.5GHz
Approvals	
CE (RED)	FCC

Transmit Power (dBm)				
Operating Mode	Data Rate (Mbps)	Min	Typ	Max
2GHz 802.11n	150 Mbps	22dBm	24dBm	26dBm
2GHz 802.11n - 2 stream	300 Mbps	20dBm	22dBm	24dBm
5GHz 802.11ac	400Mbps	20dBm	22dBm	24dBm
5GHZ 802.11ax - 2 stream	866Mbps	20dBm	22dBm	24dBm
Receive Sensitivity (dBm)				
Operating Mode	Data Rate (Mbps)	Min	Typ	Max
5GHz 802.11ac	VHT-MCS0 HT80 2x2 VHT-MCS15 HT80 2x2		-93 -65	
2GHz 802.11ng	6 54 MCS0 2x2 MCS15 2x2		-94 -80 -92 -73	
Power Supply				
Parameter	Condition	Min	Typ	Max
Current	TBC			
Environmental				
Operating temperature		-20°C to 70°C		
Storage temperature		-65°C to 150°C		
Humidity		Max. 96% Relative Humidity Non-Condensing		



Ordering Information

Version	Chipset	Feature
DR600VX	QCA9880	2x2 Mini PCIE WiFi Card
DR600VX-i	QCA9890	Extended operating temperature -20 to 85°C
DR600VX-4.9	QCA9890	Supports 4.9GHz Band