1. General Description

1.1. Product Description

- 3T3R Wireless 802.11ac/abgn Dual Band Selectable PCIe Module

1.2. Product Model Number

- 7933DMC

1.3. Product Overview

7933DMC is an 802.11ac/abgn Dual Band Selectable Full Size Mini PCI express module based on Qualcomm Atheros QCA9880 chipset and External FEM. It supports 3T3R (3x3) technology, which runs up to 1300Mbps at 5G or runs up to 450Mbps at 2.4G. The 7933DMC supports 20/40/80MHz bandwidth efficiency.

2. Product Specification

2.1. Main Component

- Qualcomm Atheros QCA9880
- External Front End Module SKYWORKS SE5516A
- PCB 4Layer, 50.95mm x 30mm (Standard Full size mini PCIe Card)

2.3. Product Specification

◎RF: Qualcomm Atheros QCA9880
◎FEM: External Front End Module SKYWORKS SE5516A
◎PCB: 4Layer, 50.95mm x 30mm (Standard Full size mini PCIe Card)
◎I-PEX x 3 (for External Antenna)
◎Shielding Cover: Shielding cover and shielding frame

Standard	802.11ac/abgn
Chipset	Qualcomm Atheros QCA9880
Host Interface	Standard Full Size Mini PCIe Module
Operating Frequency	2412 ~ 2462MHz; 5180 ~ 5240MHz; 5745 ~ 5825MHz
Features	Supports 20/40/80 MHz at 5 GHz Supports 20/40 MHz at 2.4 GHz Data rates of up to 1300 Mbps in 802.11ac 80 MHz Data rates of up to 450 Mbps in 802.11n 40 MHz
Front End Module	3x External Front End Module SKYWORKS SE5516A
Operating Voltage	DC 3.3V
Antenna Connectors	3 x I-PEX Connectors reserved for External Antenna
Power Consumption	4.1W
PCB dimensions	PCB 4Layer, 50.95mm x 30mm (Standard Full size mini PCIe Card)
Operating Temperature	0°C to +70 ˚C (Operating temperature) -20°C to +80 ˚C (Storing Temperature)