



# CPE109-A

## WLAN 802.11 a/ac 3T3R miniPCIe Module



5GHz WLAN 802.11 a/ac 3T3R miniPCIe module



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### Introduction of Products

Bointec CPE109-A mini PCI Express (CPE109-A miniPCIe hereafter) is a Wi-Fi module form factor, performing as 3x3 Wi-Fi client mode solutions with compact size. In addition the module is designed to deliver up to 1.3Gbps wireless data rate and target for next-generation home and enterprise wireless access points for a variety of high-reliable and bandwidth-intensive video-over-wireless applications. A state-of-the-art and highly efficient architecture decrease the process requirements and power consumption while acting wireless performance of 802.11ac 3X3 to enable broad adoption of home and enterprise wireless networking. A significant high level of integration reduces external components in order to enhance reliability and promote the industry forwarding for advanced features. Therefore, it is able to diverse needs of high reliable home and enterprise networking. This document describes the system specification of the 3x3 Wi-Fi 802.11 a/ac based on 5GHz frequency band. The CPE109-A is compliant with external PA and LNA for extreme performance.

### Product Highlight

- main chip Qualcomm Atheros QCA9880
- Bands: 5GHz
- IEEE 802.11 and 802.11ac standard
- Interfaces: mini PCI Express
- 3T3R
- 3 IPEX antenna connector
- External PA and LNA for Extreme Performance
- Single band support, IEEE 802.11a/ac
- Support 20MHz, 40MHz and 80MHz Bandwidth
- Support 256 QAM Modulation
- Antenna Port Data rate up to 1.3Gbps
- 30 X 50 mm size with the same mounting hole location as the standard full mini card
- Operating temperature: 0~60 degrees C
- Power input requirement : 1.2V DC in
- RoHS compliance



