

Product Specification

P25037-01
V1.4

PRODUCT DESCRIPTION

P25037-01, a three-channel PCIe module, designed with IEEE 802.11 ac Wave2 technology, supports MU-MIMO, utilizes radio frequency backup design and could switch working modes freely between 2.4GHz and 5GHz, which is compatible with IEEE 802.11 a/b/g/n/ac standards and achieves wireless performance of up to 450 Mbps and 1300 Mbps @ 2.4GHz and 5GHz respectively.

It is suitable for enterprise and carrier application.

KEY FEATURES:

- Main Chip: Qualcomm QCA9986
- Data Rate at 1300 Mbps @ 5GHz
- Date Rate at 450 Mbps @ 2.4GHz
- 3 x 3 SU-/MU-MIMO technology improves throughput and range



PRODUCT SPECIFICATION

Hardware Specification

Standard	IEEE802.11a/b/g/n/ac
RF	QCA9986
Interface	PCI-E
Operating Voltage	3.3v
Antenna Connectors	I-PEX*3

Radio Specification

2.4GHz Band

Data rate	1-450Mbps
Band	20MHz/40MHz

5GHz Band

Data rate	6-1300Mbps
Band	20MHz/40MHz/80MHz

Package content

Bulk pack

Environment & Mechanical

Power Consumption

5.065W

Working Temperature Range

0°C-40°C

Storage Temperature Range

-40°C-70°C

Working Humidity (non-condensing)

10%-90%

Storage Humidity (non-condensing)

5%-90%

Dimensions

50.8*44.85*6.5mm

Weight

0.022 kg

Compliance Standard

Radio Approvals

Prescan only (FCC, CE, IC)

MTBF

337,015 hours

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter module must not be co-located or operating in conjunction with any other antenna or transmitter.

The module must be installed in Network Security Gateway products.

This End equipment should be installed and operated with a minimum distance of 25 centimeters between the radiator and your body.

IMPORTANT NOTE:

In the event that these conditions can not be met (for example certain laptop configurations or co-location with another transmitter), then the FCC authorization is no longer considered valid and the FCC ID can not be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate FCC authorization.

End Product Labeling

The final end product must be labeled in a visible area with the following:

“Contains FCC ID :TVE-120757

Manual Information to the End User

The OEM integrator has to be aware not to provide information to the end user regarding how to install or remove this RF module in the user’s manual of the end product which integrates this module.

Canada Statement

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Caution Exposure:

This device meets the exemption from the routine evaluation limits in section 2.5 of RSS102 and users can obtain Canadian information on RF exposure and compliance.

Le dispositif répond à l'exemption des limites d'évaluation de routine dans la section 2.5 de RSS102 et les utilisateurs peuvent obtenir des renseignements canadiens sur l'exposition aux RF et le respect.

The final end product must be labelled in a visible area with the following:

The Industry Canada certification label of a module shall be clearly visible at all times when installed in the host device, otherwise the host device must be labelled to display the Industry Canada certification number of the module, preceded by the words "Contains transmitter module", or the word "Contains", or similar wording expressing the same meaning, as follows:

Contains transmitter module IC: 7280B-120757

The module must be installed in Network Security Gateway products.

This End equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Cet équipement devrait être installé et actionné avec une distance minimum de 20 centimètres entre le radiateur et votre corps.

The end user manual shall include all required regulatory information/warning as show in this manual.