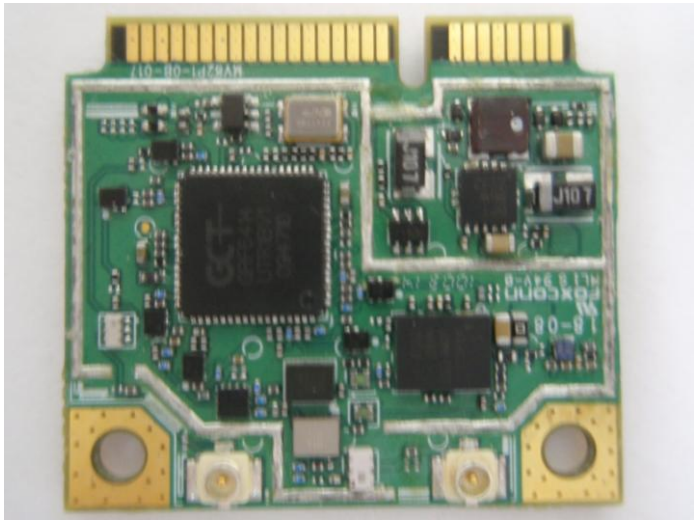
Document Title	**MV82P1 USER GUIDE**
Version	**V.1**
Date	**2010/6/2**

1 .MV82P1 introduction

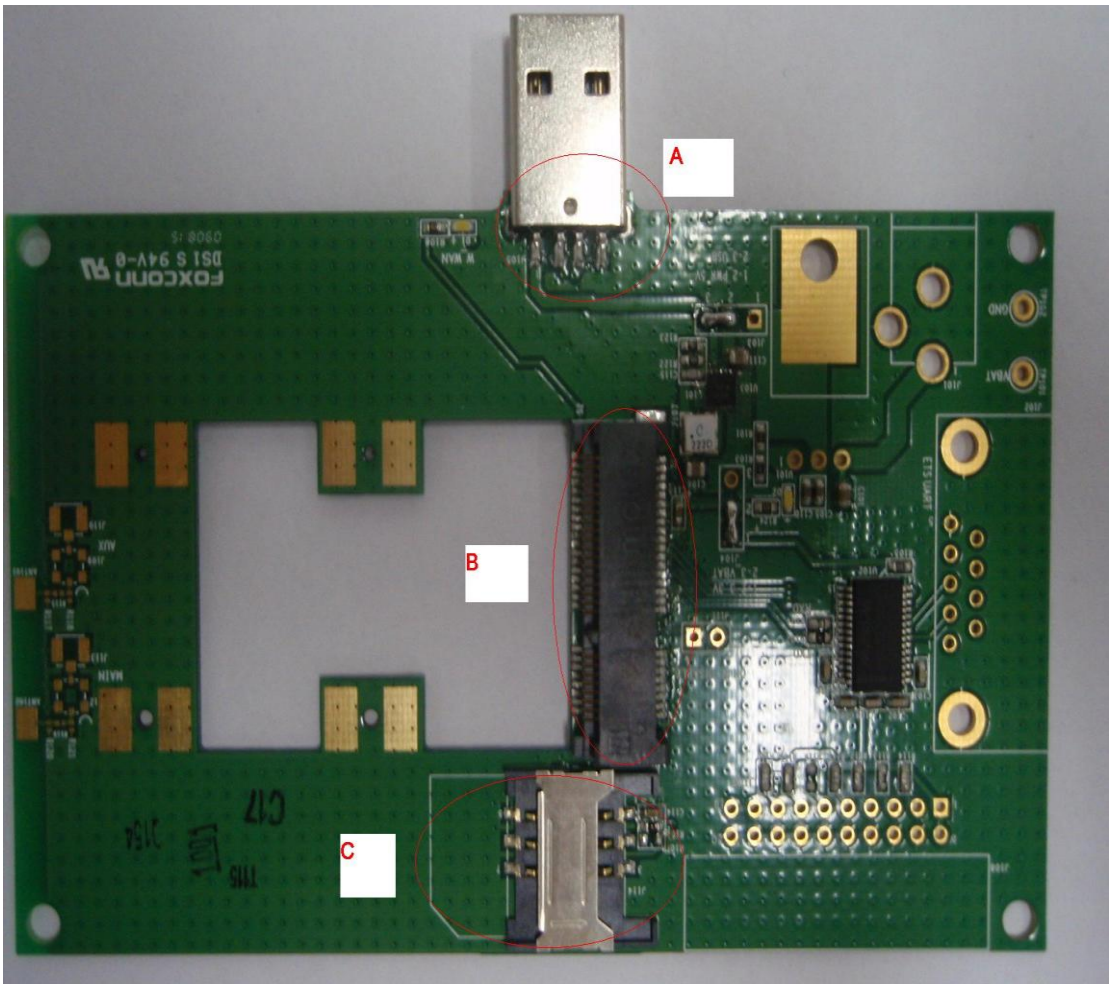
1.1 2 side view

View 1：



View 2：

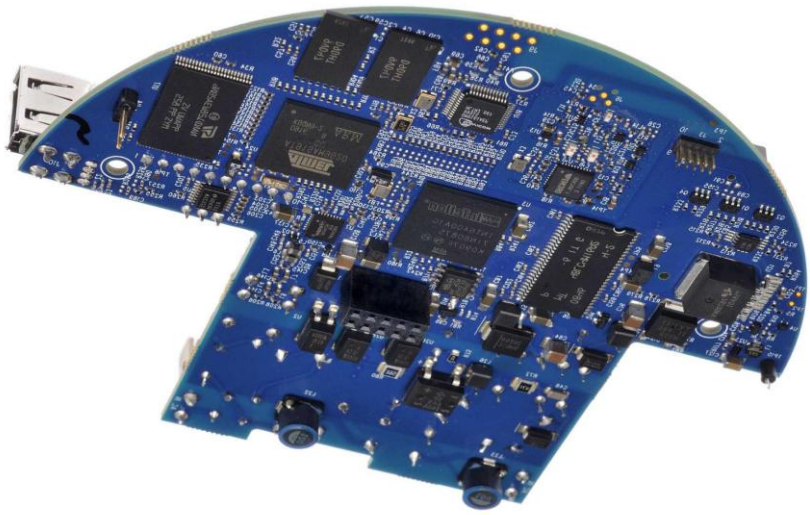
1.2 PCIe card introduction：



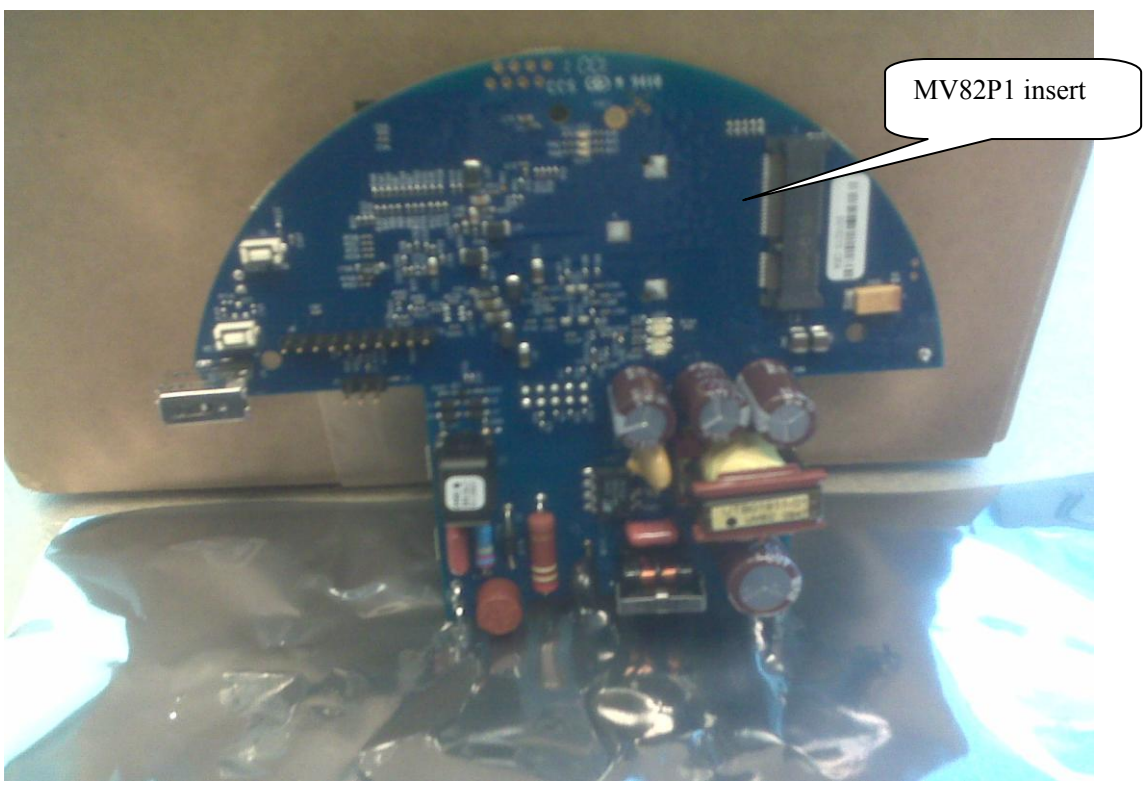
A: USB port
B: MV82P1 card socket
C: SIM card socket

1.3 Gateway introduction

Top：



Bottom：



Gateway：


I-210+
CL 200
240V
60HZ
3W
TA30
Kh 10.0
Kt 1.0
FM2S
39 239 612
USA
0609
39239612

1.4 MV82P1 accessory

Accessory introduction

RF cable

USB to UART converter cable

2.Operational description

2.1 Tune up procedure

1. Use calibrating config. file first.
2. Power on.
3. Run calibration procedure.
4. Run test procedure.

2.2. MV82P1 features

2.2.1 General specification

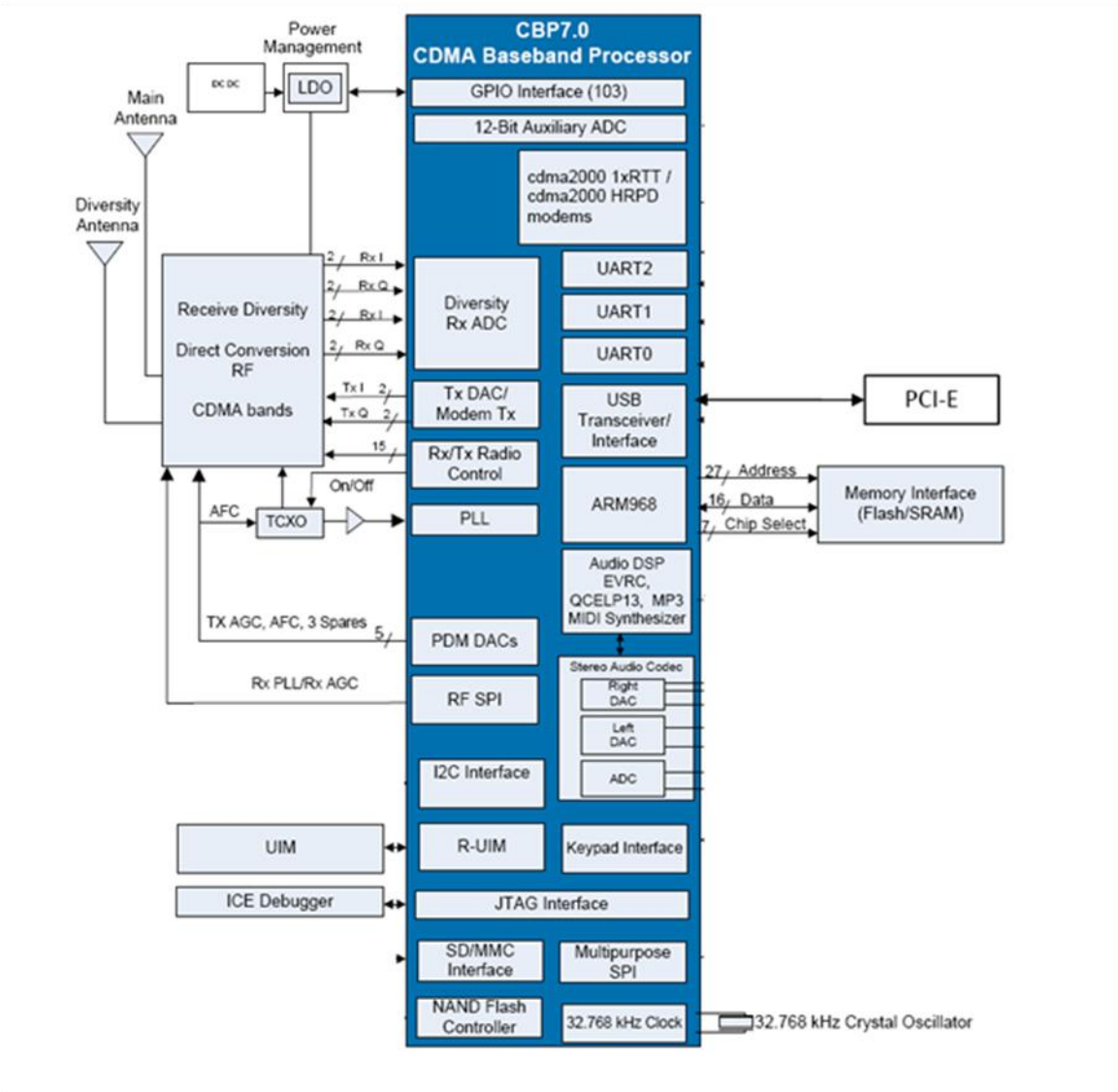
An EVDO module i.e. MV82P is a mobile broadband modem that delivers built-in high-speed cellular connectivity to Notebook/Netbook/MID, offering 3G mobile Internet access on CDMA2000® EV-DO networks in US markets. And this module with a size of 26.8x30x4.5 mm.

- ●Form Factor : Mini PCIe Half Size PCIe card1xRTT Rel.0 only
  1xEV-DO Rev.A
  Hybrid 1x RTT and 1xEV-DO Rev. A
- ●USB Interface: USB2.0 Full Speed
- ●Interface to PC: 52Pin Mini PCIe Interface
- ●Operating Temperature: -10℃ to +60℃

- ●1xRTT Rel.0 only
  1xEV-DO Rev.A
  Hybrid 1x RTT and 1xEV-DO Rev. A
- ●Operating Support: Windows XP, Windows Vista, Windows 7/ Linux 2.6.21.

2.2.2 Hardware Specification

The hardware block diagram for MV82P1 is shown as below:



The PCB for MV82P1 is 8 layers.

IMPORTANT NOTE: FCC Radiation Exposure Statement: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter As long as these conditions above are met, further transmitter test will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed (for example, digital device emissions, PC peripheral requirements, etc.). 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. This transmitter module is authorized only for use in device where the antenna may be installed such that 20 cm may be maintained between the antenna and users. The final end product must be labeled in a visible area with the following: “Contains FCC ID: QVZ-MV82P1”.

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

Note: 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 or more 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.