DFI®
VC70B-KU Installation Guide

Package Contents

• 1 VC70B-KU system unit
• 4 Mounting screws for Mini PCIe module
• 1 Quick Installation Guide
• 1 Disk includes:
- Drivers / Manual

Note:
The CD that came with the system contains an autorun screen to install drivers, utilities, and software applications required to enhance the performance of the system and a user's manual for your reference. Insert the CD into a CD-ROM drive. The autorun screen will appear. If after inserting the CD, "Autorun" did not automatically start, please go directly to the root directory of the CD and double-click "Setup". Please install all required drivers.

Panel

Front View

Status LED (Blue)
Power button (Green LED)
COM 1
COM 2
VGA
HDD LED

Reset
COM 5
COM 6
COM 4/ 8-bit DIO CANbus*

Rear View

COM 3 (RS232/RS422/RS485)
HDMI
USB 3.0
LAN 2 LAN 1
Line-out
Mic-in
Antenna hole
USB 2.0
DC-in
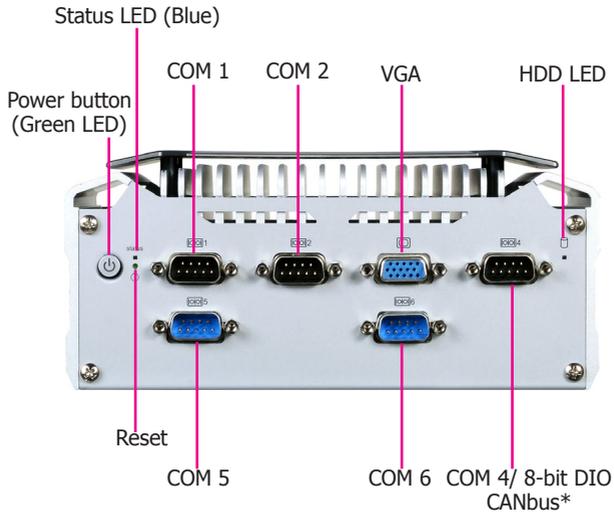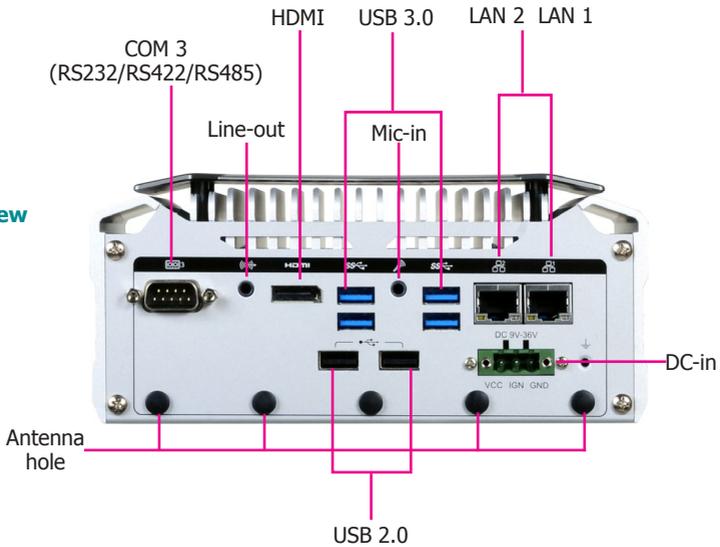
> **Note**:
> You can configure the COM 4 port to be a CAN bus (Controller Area Network) interface instead.

◎ Removing the Chassis Cover

Please observe the following guidelines and follow the procedure to open the system.

1. Make sure the system and all other peripheral devices connected to it have been powered off.

2. Disconnect all power cords and cables.

3. The 2 mounting screws on the bottom side of the system are used to secure the cover to the chassis. Remove these screws and then put them in a safe place for later use.
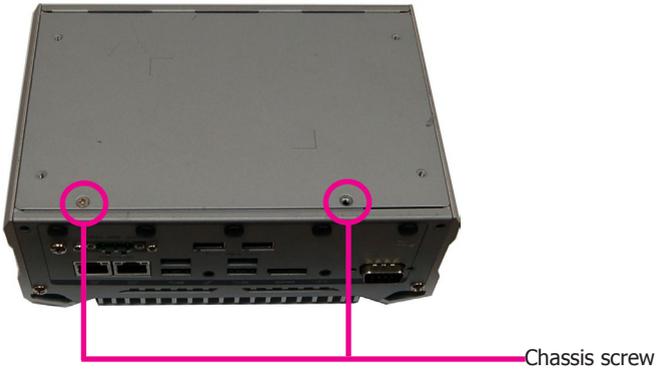
Chassis screw

4. After removing the mounting screws, lift the bottom side of the chassis cover to open the system. The HDD mounting posts are readily accessible after removing the bottom cover. To access the Mini PCIe slots, the power board has to be removed.

Mounting screw

Mounting screw
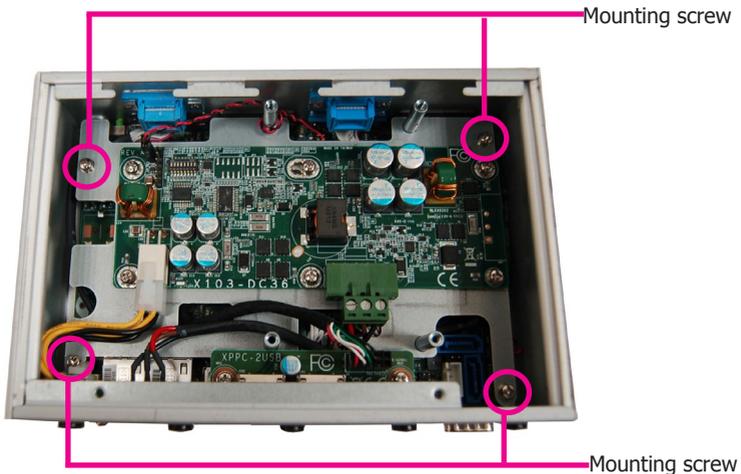
⦿ Installing a Mini PCIe Card

The system board is equipped with 2 Mini PCIe slots: one full-size and one half-size slot. Here we will demonstrate the installation of a full-size Mini PCIe card.

The Mini PCIe sockets are located on the main board; to access the main board, detach the power board on top of it. Remove the screws that affix the front bezel as shown in the following pictures to access the power board and uninstall it from the system.

Screw

Power cable
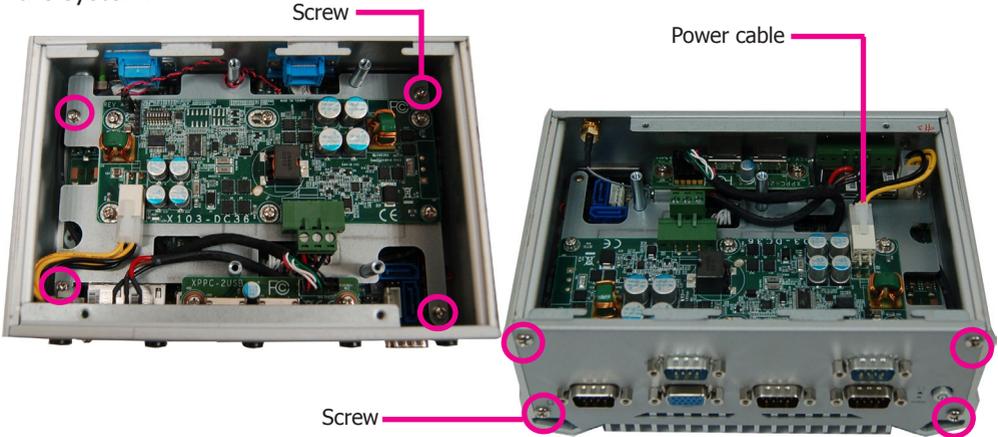
Screw

2. Push the Mini PCIe card down and use the provided mounting screws to secure the card on the system board.

Mounting screw
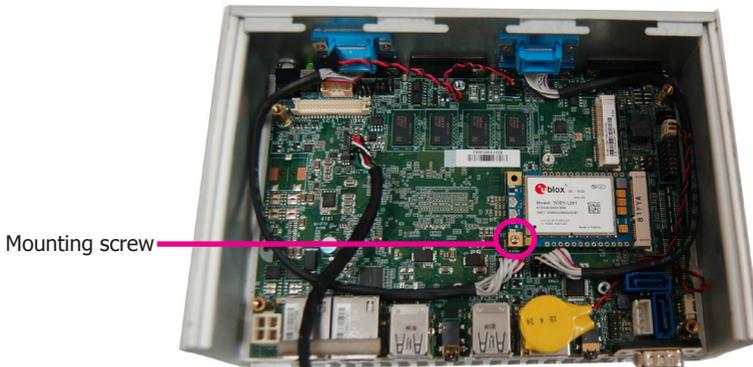
Notes:
1. The system also has a half-size Mini PCIe slot that can accommodate either a Mini PCIe or an mSATA card. Refer to jumper settings for signal selection for this slot.
2. The power board connects to the mainboard with a 4-pin power cable, please reconnect this cable if it is removed during installation.

Board Layout and Jumper Settings
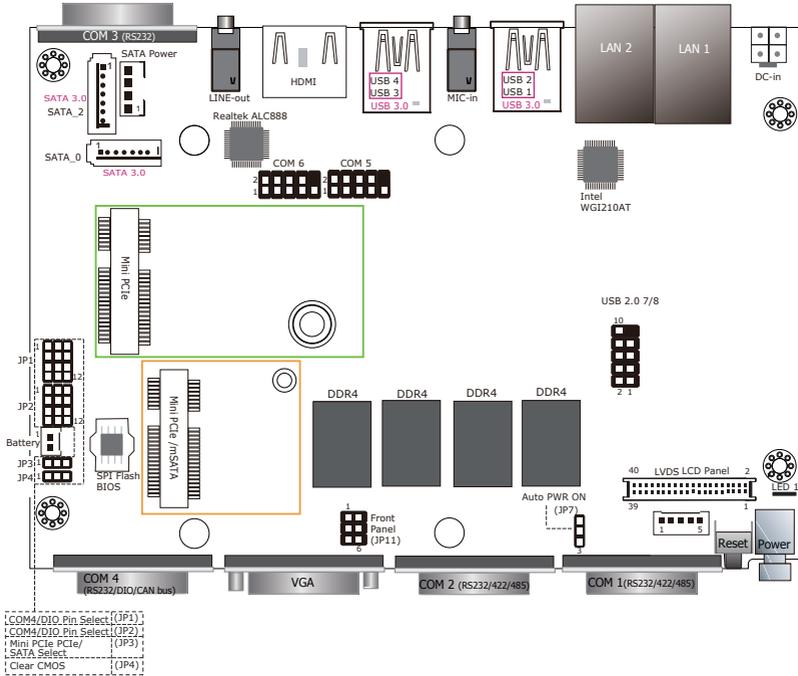
COM4 / DIO Pin Select	JP1
COM4	1-2, 4-5, 7-8, 10-11 On (default)
DIO	2-3, 5-6, 8-9, 11-12 On

COM4 / DIO Pin Select	JP2
COM4	1-2, 4-5, 7-8, 10-11 On (default)
DIO	2-3, 5-6, 8-9, 11-12 On

Mini PCIe/SATA Select	JP3
PCIe	2-3 On
SATA	1-2 On (default)

Clear CMOS	JP4
Normal	1-2 On (default)
Clear CMOS	2-3 On

Auto PWR ON	JP7
Normal	1-2 On (default)
Auto-PWR ON	2-3 On

Note:

You cannot use COM 4 and DIO at the same time. Please adjust JP1 and JP2 together.

🌀 Delay Turn-on/off Switch

The DIP switch (SW1) on the power board can be used to turn on or off the system at a specific on/off delay time via car ignition.

SW1-2: System-on delay enable/disable		
	On (Default)	Enable (delay time setting adjustable by SW1-4 and 1-5 as shown in the table below)
	Off	Disable (System-on delay = 3 sec)
SW1-4 and 1-5: System-on delay time setting		
	4 5 Time On On 10 sec (default) Off On 30 sec On Off 1 min Off Off 5 min	
SW1-3: System-off delay enable/disable		
	On (Default)	Enable (delay time setting adjustable by SW1-6, 1-7 and 1-8 as shown in the table below)
	Off	Disable (System-off delay = 0 sec)
SW1-6, 1-7 and 1-8: System-off delay time setting		
	6 7 8 Time On On On 30 sec (default) Off On On 1 min On Off On 3 min Off Off On 5 min On On Off 10 min Off On Off 15 min On Off Off 30 min Off Off Off 1 hr	
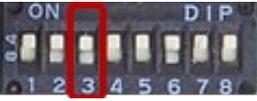
Notes:

1. The OS will start the shut-down procedure when the car ignition switches off.
2. Please make sure that system-off delay time is sufficient to allow the OS to shut down completely.
3. Please do not alter the SW1-1 (should be "ON") setting to prevent damage to the system board.
4. Please do not push the power button during system startup or shutdown.