

DFI®

VP101-BT Installation Guide



Package Contents

• 1 VP101-BT system unit
• 6 Mounting screws for Mini PCIe module
• 1 Quick Installation Guide
• 1 Disk includes:
- Drivers / Manual

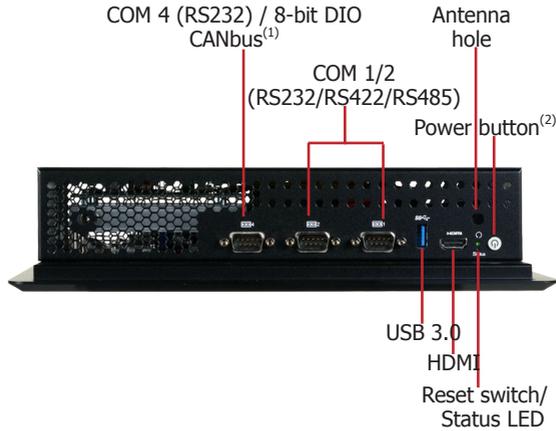


Note:

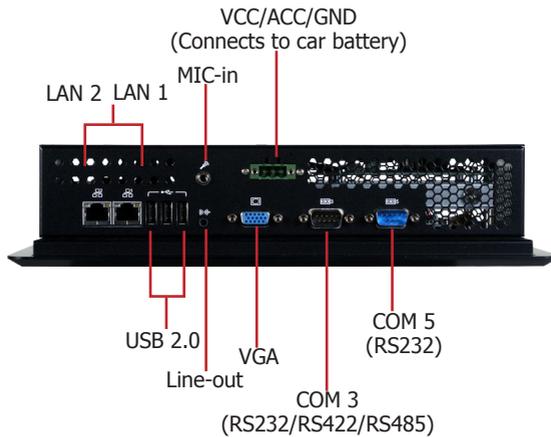
The CD that came with the system contains an autorun screen to install drivers, utilities, and software applications required to enhance the performance of the system and a user's manual for your reference. Insert the CD into a CD-ROM drive. The autorun screen will appear. If after inserting the CD,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

DFI reserves the right to change the specifications at any time prior to the product's release. For the latest revision and details of the installation process, please refer to the user's manual.

Top View



Bottom View



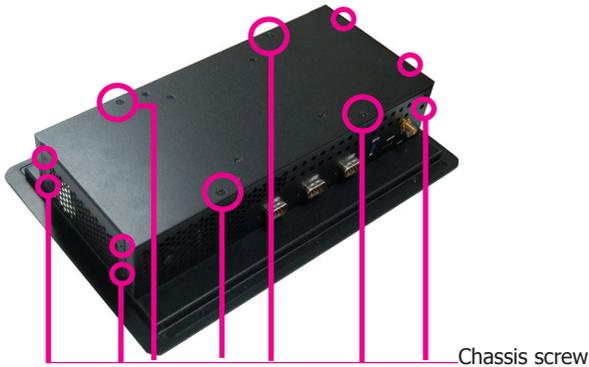
Note:

1. You can choose to wire the COM 4 port to be a CANbus (Controller Area Network) interface instead.
2. If the system's power-on or off is controlled by car ignition, please do not press the power-on/off button during the power-on or power-off process.

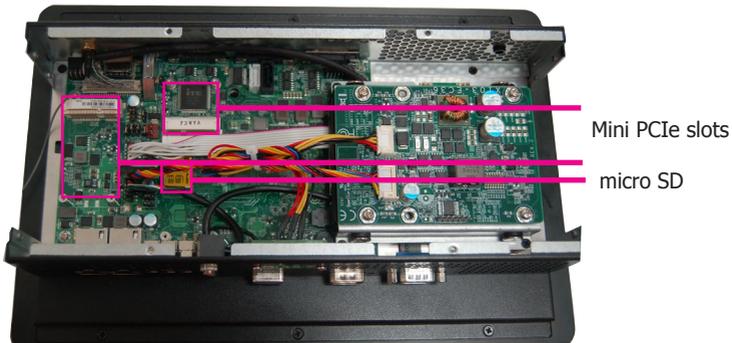
Removing the Chassis Cover

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 12 mounting screws on the bottom and two sides 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.



4. After removing the mounting screws, lift the bottom side of the chassis cover to open the system. The Mini PCIe and the micro SD slots will be readily accessible.



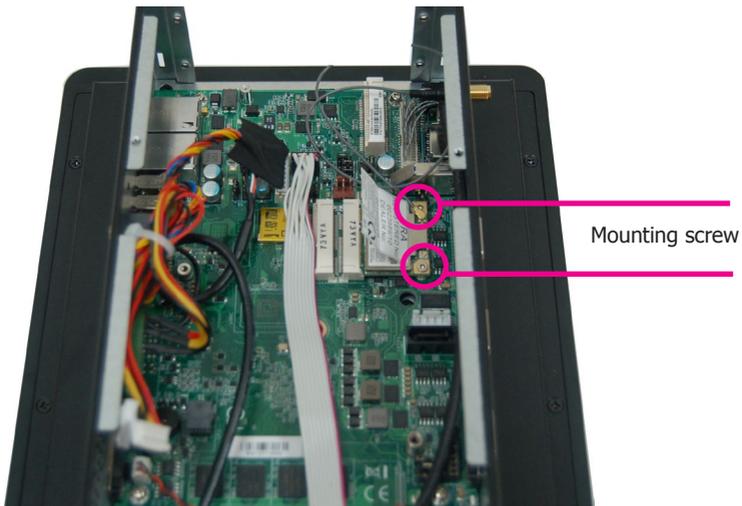
Installing a Mini PCIe Card

The system board is equipped with 3 Mini PCIe slots: two full-size and one half-size slots. Here we will demonstrate the installation of a half-size Mini PCIe card (PCIe/USB/LPC signals) for WiFi connection.

1. Grasp the Mini PCIe card by its edges and align the notch in the connector of the card with the notch in the connector on the system board.



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



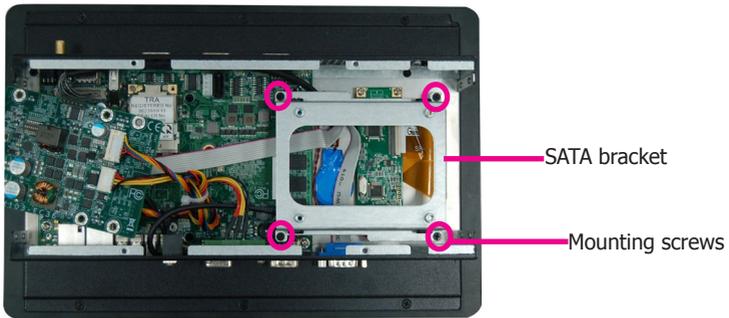
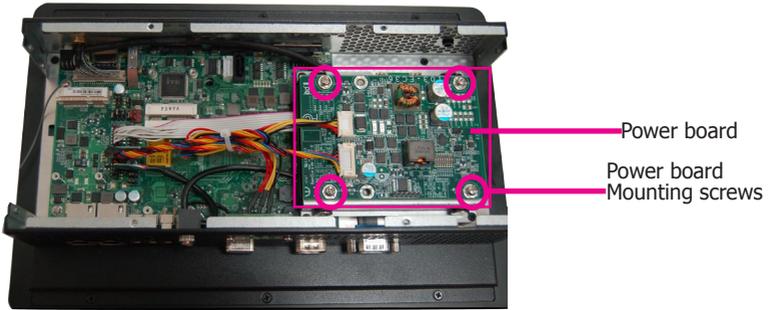
Note:

The system also has two additional full-size Mini PCIe slots that use PCIe (PCIe/USB/3G/GPRS/CANbus signals) and mSATA (SATA signals) interfaces.

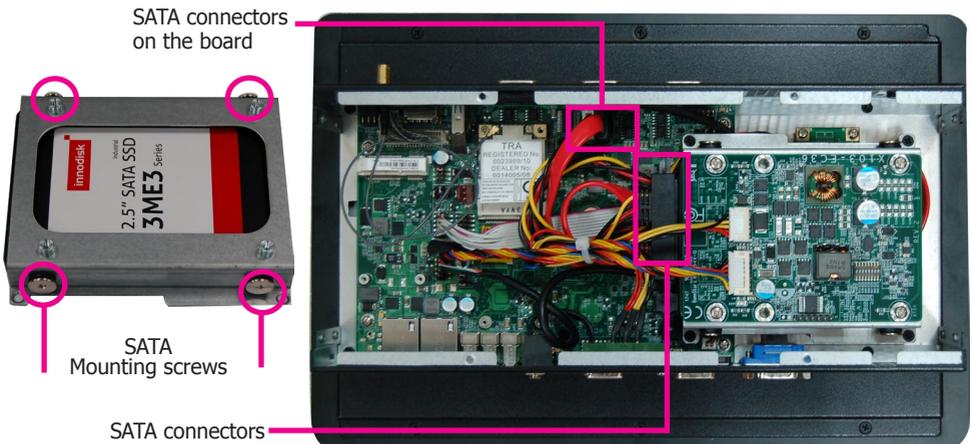
Installing a SATA Drive

The system can accommodate one SATA drive. Please use the following procedure to install a SATA drive into the system.

1. SATA HDD bay is located under the power board. Please remove the power board first to uninstall the HDD bracket.



2. Install the SATA drive on the HDD bracket. Place the HDD bracket back to the system and secure the drive in place with the provided mounting screws.





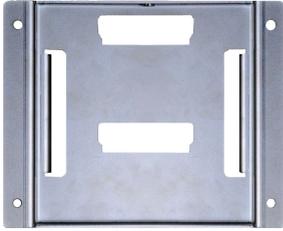
Mounting Options



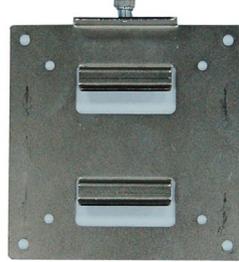
Wall mount

The Wall mount kit includes the following:

- 2 Wall mount brackets
- Bracket screws

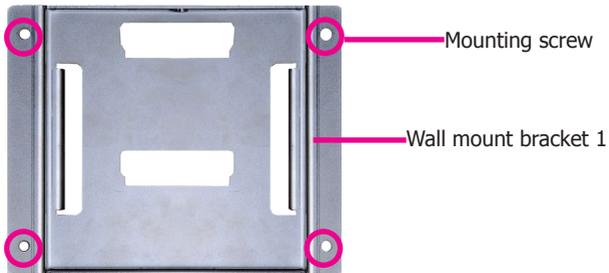


Wall mount bracket 1

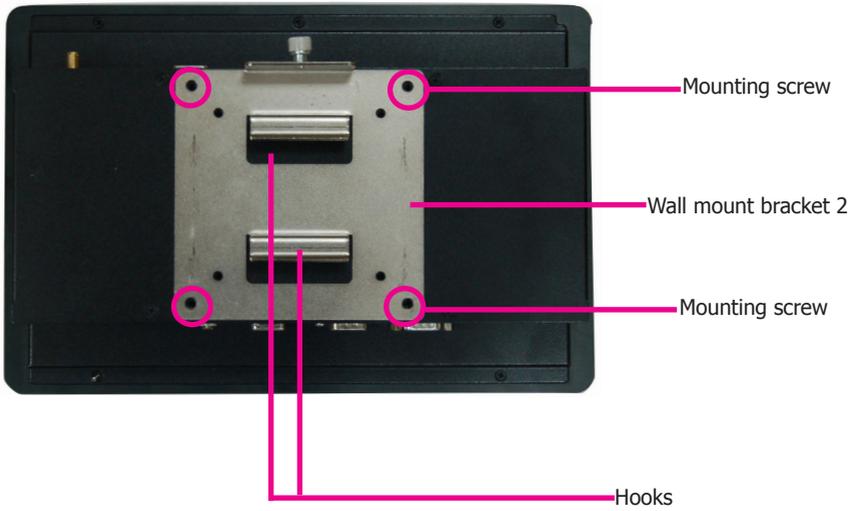


Wall mount bracket 2

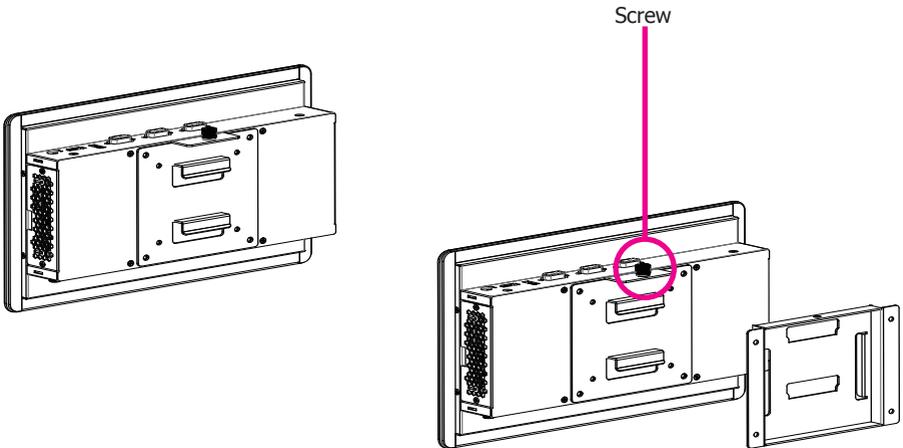
1. Select a place on the wall where you will mount the system.
2. Use the provided mounting screws to attach "Wall mount bracket 1" to the wall.



3. Attach the other bracket (Wall mount bracket 2) to the rear of the system.



4. Slide the system to "Wall mount bracket 1" to attach the two brackets with the hooks. Then tighten the screw to secure the assembly in place.





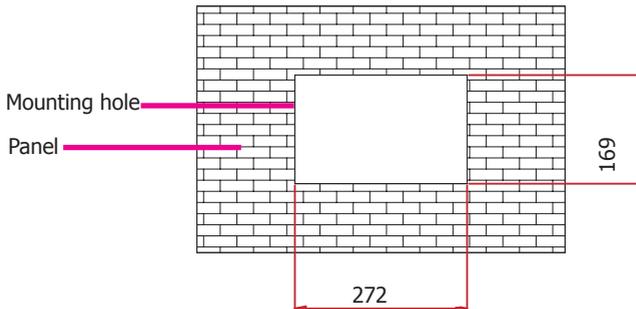
Panel mount

The panel mounting kit includes the following:

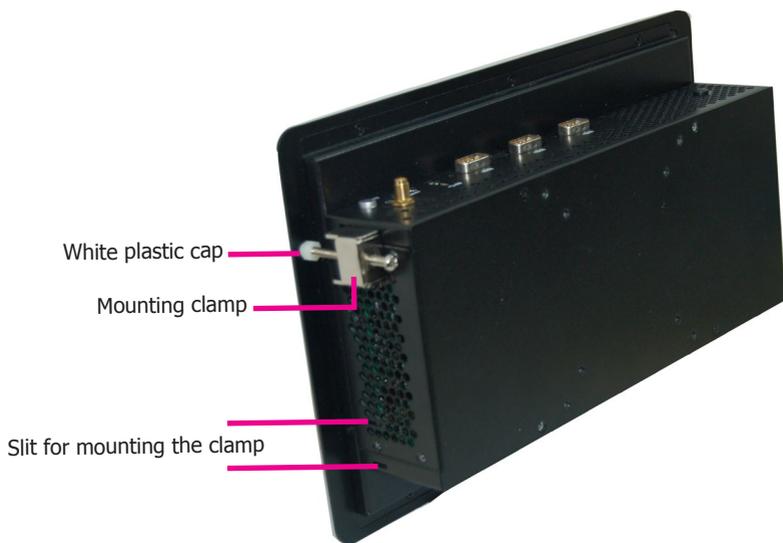
- 6 mounting clamps



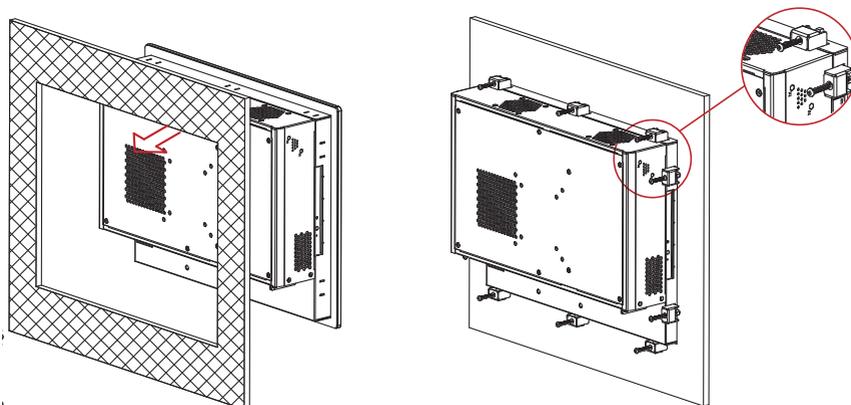
1. Select a place on the panel (or wall) where you will mount the system.
2. Cut out a shape on the panel that corresponds to the system's rear dimensions (272mm x 169mm) and ensure that the system can be fitted into the panel properly.



3. Insert the system from the outside surface of the panel into the mounting hole until it is properly fitted against the panel.
4. Position the mounting clamps along the rear edges of the system and insert them into the slits around the system.

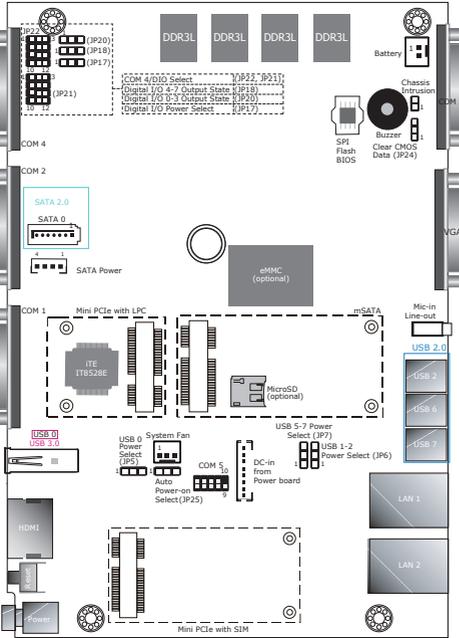


5. The first and second clamps must be positioned and secured diagonally prior to mounting the rest of the clamps. Tighten the clamp's screw using an electric screwdriver by pressing the white plastic cap onto the back of the panel. The illustration below shows that all clamps are properly mounted.

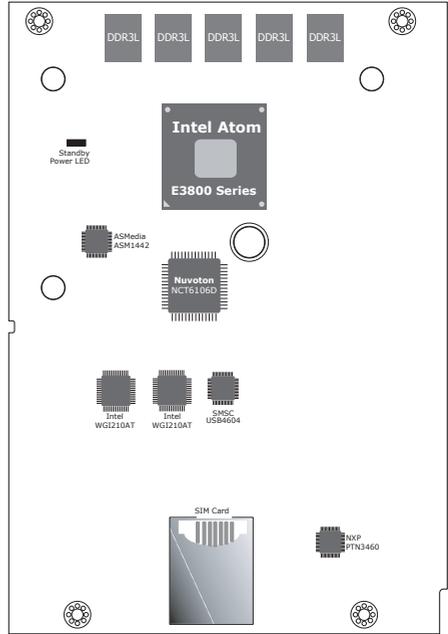




Board Layout and Jumper Settings



TOP



BOTTOM

USB Power Select: 0 (JP5), 1-2 (JP6), 5-7 (JP7)	
+5V_standby (default)	1-2 On
+5V	2-3 On

Clear CMOS Data	JP24
Normal (default)	1-2 On
Clear CMOS Data	2-3 On

Digital I/O Output State	JP18 (DIO 4-7) JP20 (DIO 0-3)
GND (default)	1-2 On
+5V or +5V_standby	2-3 On

Auto Power-on Select	JP25
Power-on via power button	1-2 On
Power-on via AC power (default)	2-3 On

Digital I/O Power Select	JP17
+5V_standby	1-2 On
+5V (default)	2-3 On

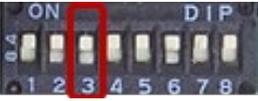
COM 4/DIO Select	JP21, JP22
COM 4 (default)	1-2, 4-5 7-8, 10-11 On
DIO	2-3, 5-6 8-9, 11-12 On

Note:

You cannot use COM 4 and DIO at the same time. Please adjust JP21 and JP22 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



Note:

The OS will start the shut-down procedure after the car ignition switches off. Please make sure that system-off delay time is sufficient to allow the OS to shut down completely.