VC900-M8M



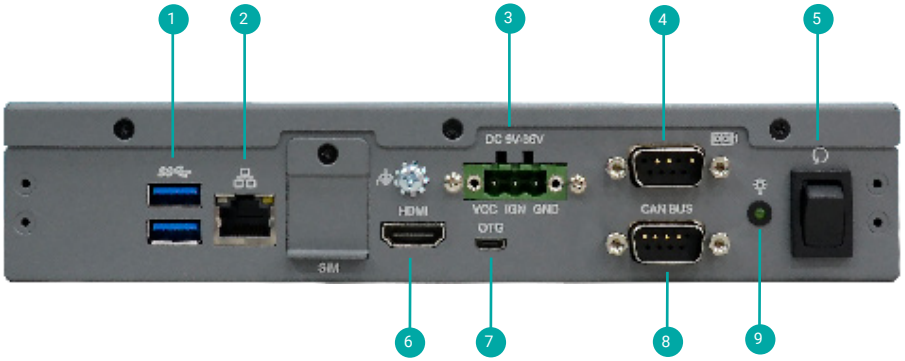
Package Contents

1 x VC900-M8M system unit
1 x 3-pole terminal block cable for power input
1 x Wall mount bracket/screw pack
1 x Quick installation guide

© October 28, 2026 DFI Inc.

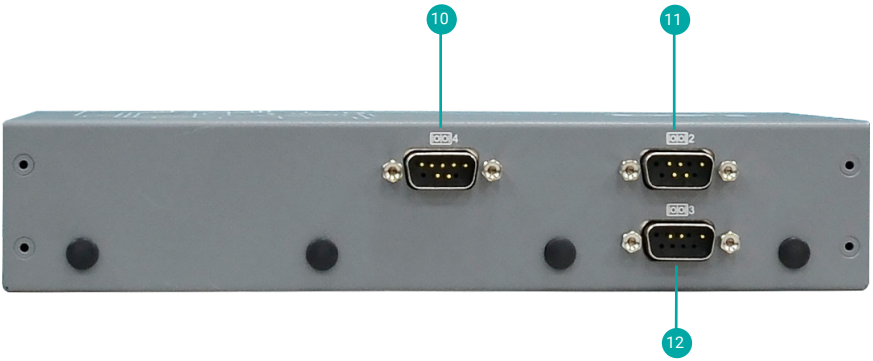
Product Overview

Front I/O view



1	USB 3.0
2	LAN
3	Power Input
4	COM 1
5	Reset Button
6	HDMI
7	OTG
8	CAN BUS
9	Status LED

Side I/O view



10	COM 4
11	COM 2
12	COM 3

Removing the Chassis Cover

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

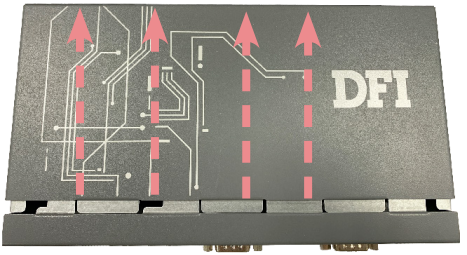
1. Make sure the system and all other peripheral devices connected to it have been powered off.

2. Disconnect all power cords and cables.

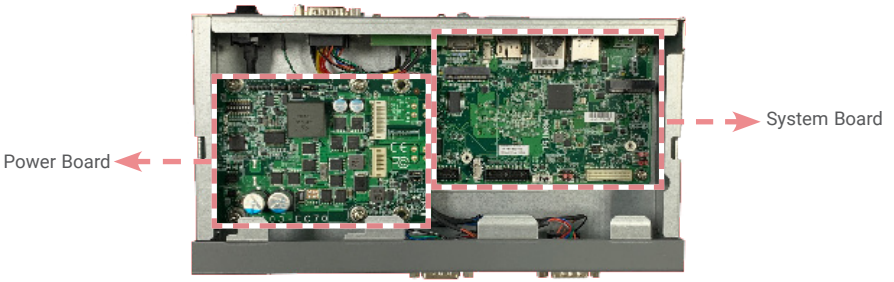
Step 1:
The 3 screws on the side of the system are used to secure the cover to the chassis. Remove the screws and put them in a safe place for later use.



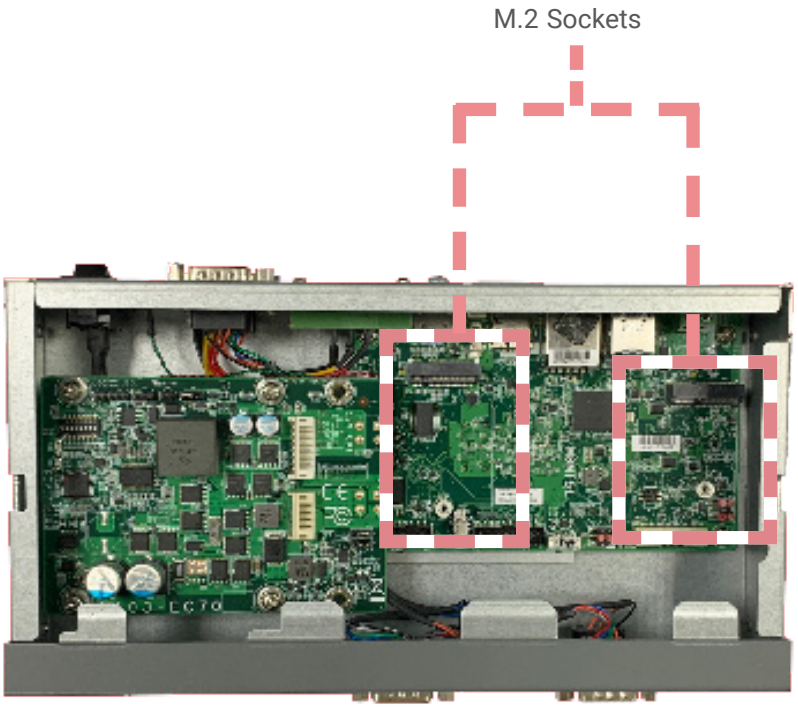
Step 2:
Slide the cover to open the system.



Step 3:
The boards can be easily accessed after the chassis cover is removed.



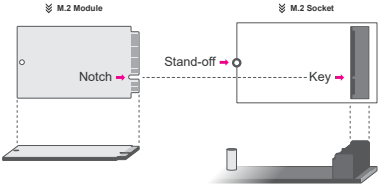
Installing an M.2 Card

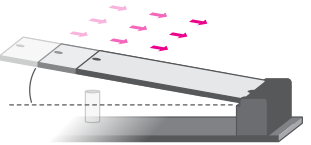


Please follow the steps below to install the card into the socket.

Step 1:

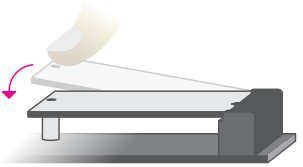
Insert the card into the socket at an angle while making sure the notch and key are perfectly aligned.





Step 2:

Press the end of the card far from the socket down until against the stand-off.



Step 3:

Screw tight the card onto the stand-off with a screw driver and a stand-off screw until the gap between the card and the stand-off closes up. The card should be lying parallel to the board when it's correctly mounted.



Installing an Antenna

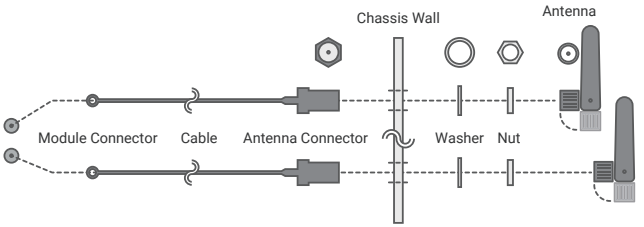
Before installing the antenna, please make sure that the following safety cautions are wellattended.

1. Make sure the PC and all other peripheral devices connected to it has been powered down.
2. Disconnect all power cords and cables.

Step 1:
There are antenna holes reserved on the right side of the system and by default covered by rubber plugs. Please remove the plug prior to installing an antenna.

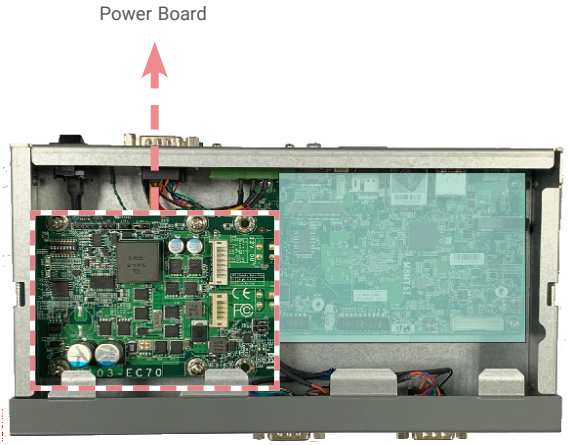


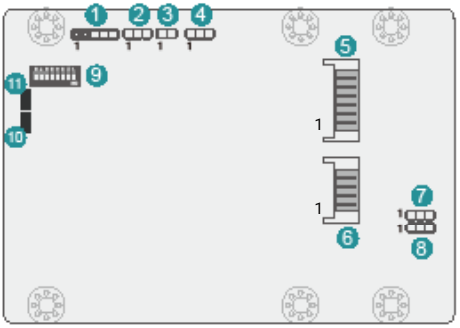
Step 2:
Connect the internal cable to the board's antenna connector, screw the antenna connector through the antenna hole with washers and nuts, and screw on the antenna as illustrated below.



Jumper Settings

Power Board





1. ST-Link / SWD
2. MCU Debug
3. Remote Switch
4. Remote Switch High/Low Active
5. 12V DC Out
6. 9V~36V In
7. Host Bus Communication
8. Host Bus Communication
9. SW1
10. LED1(Red): Debug LED for the MCU
11. LED2 (Green): R/W LED

7 8 Host Bus Communication	JP3 / JP4
Reserved	1-2 On
TX/RX UART (default)	2-3 On

4 Remote Switch High/Low Active	JP2
High Active (default)	1-2 On
Low Active	2-3 On

9 24V/12V Select (Output Voltage)	SW1
12V (default)	1 On
24V	1 Off

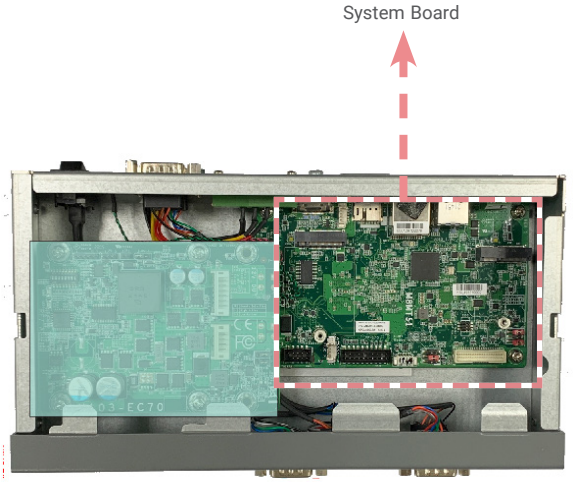
9 Power On Delay Switch (Delay On/Off)	SW1
On, delay duration defined by 4 and 5	2 On
Off, delay = 3 seconds by default	2 Off

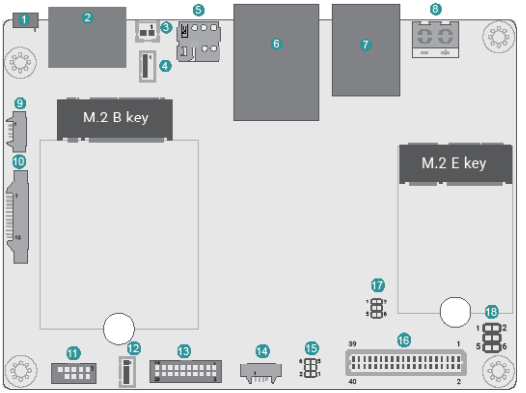
9 Power Off Delay Switch (Delay On/Off)	SW1
On, delay duration defined by 6, 7, and 8	3 On
Off, delay = 0 seconds by default	3 Off

9 Power On Delay Time Select (Delay Duration)	SW1
10 seconds (default)	4 On , 5 On
30 seconds	4 Off , 5 On
1 miniute	4 On , 5 Off
5 minutes	4 Off , 5 Off

9 Power Off Delay Time Select (Delay Duration)	SW1
30 seconds (default)	6 On , 7 On, 8 On
1 minute	6 Off , 7 On, 8 On
3 minutes	6 On , 7 Off, 8 On
5 minutes	6 Off , 7 Off, 8 On
10 minutes	6 On , 7 On, 8 Off
15 minutes	6 Off , 7 On, 8 Off
30 minutes	6 On , 7 Off, 8 Off
1 hour	6 Off , 7 Off, 8 Off

Power Board





1. USB2_4
2. HDMI
3. Battery
4. Power Link
5. SIM Slot
6. LAN
7. USB3.0
8. DC-IN
9. Audio
10. DIO
11. Speaker
12. USB2_3
13. VP IO
14. COM1 Debug
15. Boot CFG
16. LVDS
17. I2C
18. LED Backlight

15 Boot Config	JP1
Internal Boot (default)	1-2 Off
Serial Downloader	1-2 On
EMMC@eSDHC3 (default)	5-6 Off
SD@eSDHC2	5-6 On

18 LED Backlight		JP5
VEN & VPWM	3.3V (default)	1-2 On
	5V	1-3 On
VLED Backlight	Backlight Power 12V	5-6 On
	Backlight Power 5V	4-6 On

DFI reserves the right to change the specifications at any time prior to the product's release. This QR may be based on the product's revision. For more documentation and drivers, please visit the download page at www.dfi.com/downloadcenter, or via the QR codes to the right.