PPC-CXX27 series Quick Start Guide

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Safety Precautions

(1) Please read and follow the safety precautions before you are going to use it.
(2) Pay attention to the labels on the product.
(3) Make sure to use in an environment that meets the design specifications, otherwise, malfunction or partial damage caused by non-compliance with relevant regulations is not covered under the product quality guarantee.
(4) Please unplug the power cord and do not use liquids to clean the PC.
(5) Please keep the PC in a safe space to prevent it from falling and damaging its components.
(6) Please keep the power cord in a safe location to avoid causing personal injury.
(7) Please do not bundle control wires, communication cables and power wires together, it would be better to keep a distance of at least 100mm between them to avoid mutual interference.
(8) It is recommended to use wires with isolation, especially in environments with severe electromagnetic interference.
(9) Please disconnect it from the power socket if the PC is not used for a long time.
(10) Please make sure that no liquids enter the device to avoid the risk of fire or short circuit.
(11) Please disconnect the power cord before opening the computer case.
(12) Please clean the dust regularly.
(13) Please ask for technical support and return the PC to RMA:

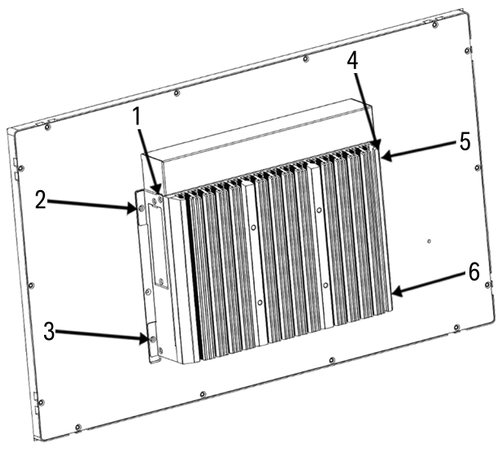
- The power cord or plug is damaged;
- Liquid has entered the interior of the PC;
- PC doesn't work;
- PC is damaged;
- Physical damage on the PC.

Part 1: Unboxing

(1) Check the packing list to ensure all accessories are included.
(2) Installing Memory, SSD, WiFi/BT, 4G/5G.

Installing Memory Modules:

- The memory slots are located on the back of the motherboard. Disassemble the main unit and then remove the motherboard are required.
- The main unit and display are secured with six screws, three on each side. Remove them with a screwdriver to access the motherboard.



- After removing the screws marked as 1 and 2, remove the I/O shield. Then remove screws 3 to 14 to take out the motherboard. Install the memory modules on the back of the motherboard.

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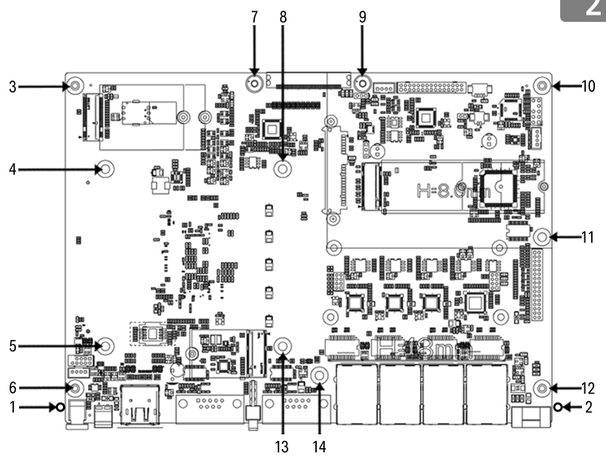
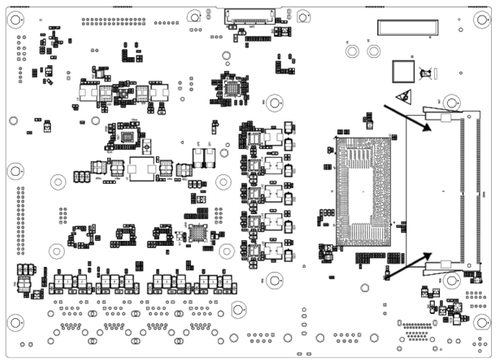
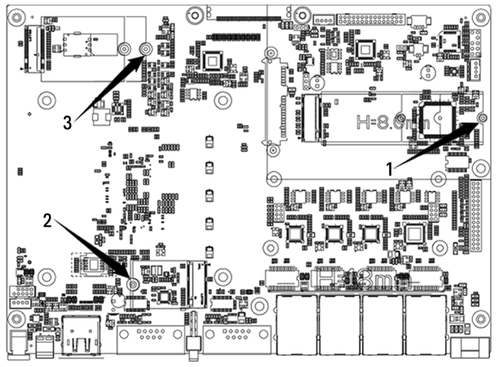


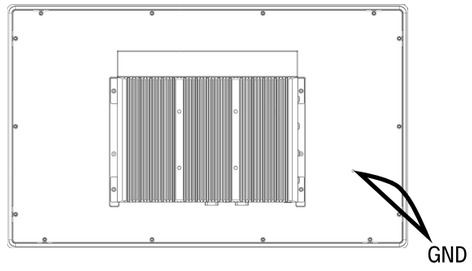


Installing SSD, WiFi, 4G/5G Modules:

- Remove the screw marked as 1 to install an M.2 NVMe SSD.
- Remove the screw marked as 2 to install the WiFi card.
- Remove the screw marked as 3 to install the 4G/5G module.



(3) Grounding



(4) Connecting network, keyboard, mouse, and other peripherals.
(5) Connect the power supply.

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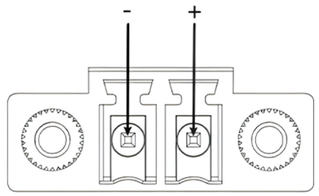
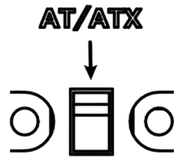


Part 2: Booting

(1) AT Mode: The device boots automatically when connected to power.



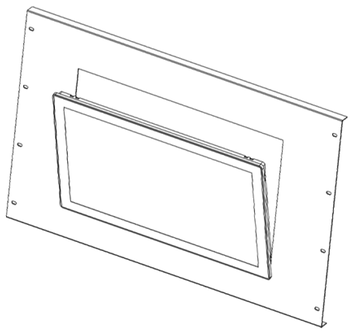
(2) ATX Mode: Pressing the power button is required to boot after connecting to power.

(3) During startup: Keep pressing Del to enter the BIOS. Keep pressing F11 to access the boot menu. In BIOS, press F9 to restore default settings. Press F10 to save changes.
(4) Serial Port Settings (RS232/422/485) in BIOS. Press Del to enter BIOS. Navigate to Advanced --> Super IO Configuration --> Serial Port. For COM1 and COM2, configure the COM Mode setting to RS232, RS422, or RS485.

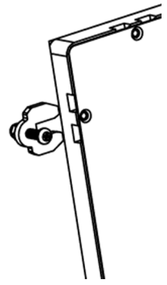
Part 3: Panel Mount and VESA Mount

(1) Panel Mount:

- Install the industrial all-in-one machine on the panel bracket as shown in the figure below;



- Install the snaps into the side snap holes of the industrial all-in-one machine and then tighten the screws as shown in the figure below; Torque: 5 kgf-cm (0.5 Nm)



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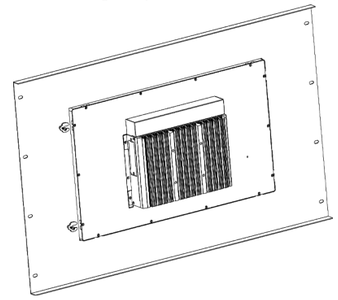
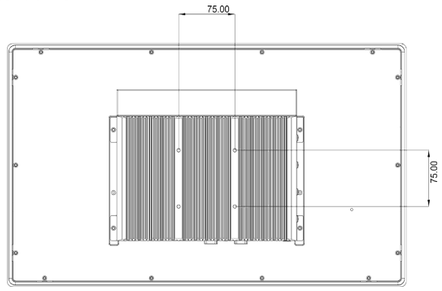
- The installed interface is shown in the figure below. The installation of the remaining snaps is similar to this operation.



(2) VESA Mount:

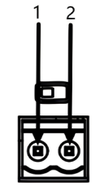
- The PPC series supports VESA installation.
- VESA Size: 75x75mm



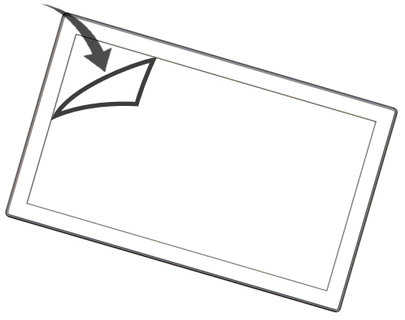
Part 4: Cautions

(1) Do not use DP cables with latches, otherwise stuck can occur. Once it happens, disassemble the unit to remove the cable.
(2) When using the phoenix terminal as a power supply, pay attention to polarity.
(3) Remote Power-On Wiring:

- Use two wires to connect both ends of the remote switch. When the device is on S5 mode, short-connect the wires can power it on.



(4) Remove the screen protector to avoid affecting the AG/AF functions.



Part 5: Troubleshooting

(1) Beeps during startup (three long, two short):

- Likely due to improperly installed memory. Reseat the memory modules and try again.

(2) Screen not displaying on startup:

- Connect an HDMI or DP cable to an external monitor. If it displays, enter BIOS and set Chipset --> LVDS Switch to Enabled, save, and reboot.