Quick Installation Guide
PICO-WHU4-SEMI

This document will guide you through the basic installation process for your new PICO-WHU4-SEMI.

PICO-WHU4-SEMI

Item	Description	Remark/PN
1	PICO-WHU4 Board (with CMOS battery)	
2	System Case	
3	SATA Cable	170X000101
4	SATA Power Cable	1702150130
5	USB 2.0 Ports/Cable	170010010D
6	USB Port mounting bracket	M001720000
7	Power Button	170010020T
8	4x Screws.M3.Nickel	S1D5106010
	10x screws.M3.Black	S1D3004031
	2x Zip Ties (included, optional use)	1992666607
	2x Zip Tie anchors (included, optional use)	199266660B
9	Dual COM Port/Cable (optional)	1701200102
10	PICO-WHU4-SEMI VESA bracket kit (optional)	PICO-WHU4-SEMI-VESA1
11	PICO-WHU4-SEMI Wallmount bracket kit (optional)	PICO-WHU4-SEMI-WMT1

Note: Zip ties and anchors are included for cable management but are not required to complete the system assembly.
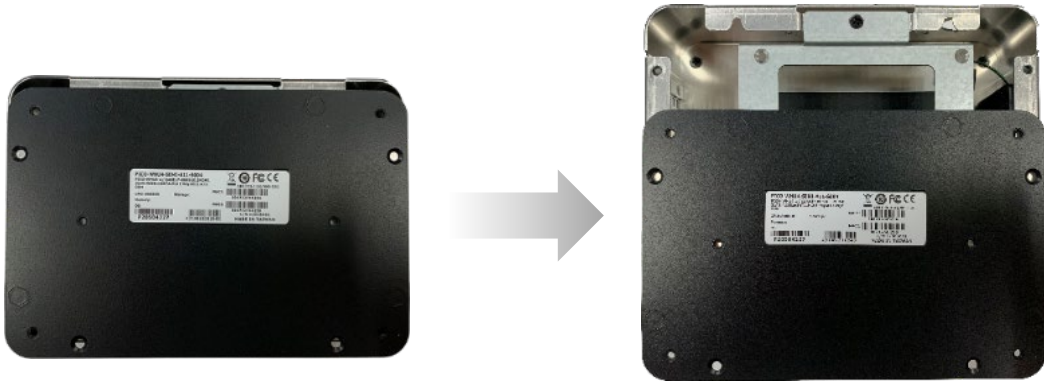
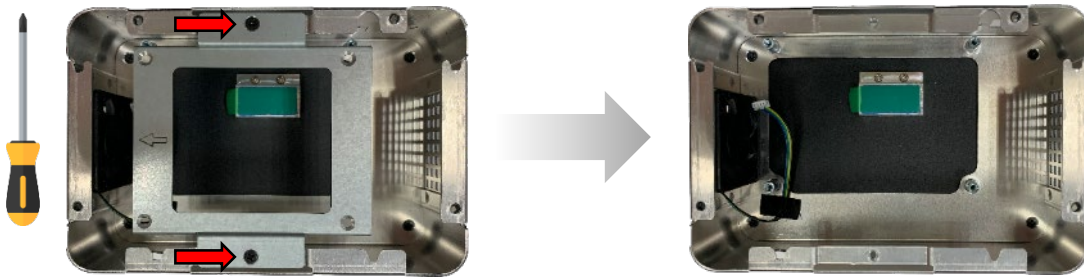## Packing
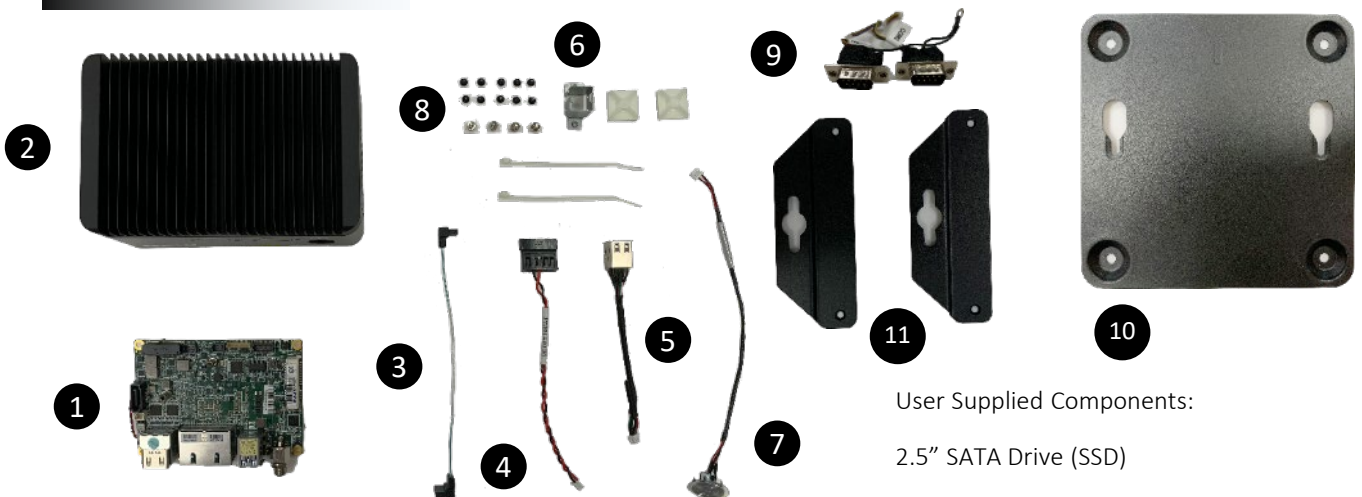
User Supplied Components:

2.5" SATA Drive (SSD)

144 pin SO-DIMM RAM module up to 32 GB

Step 1: Remove the bottom panel of the system case by sliding the panel towards the I/O (rear) side of the system.

Step 2: Remove the two screws securing the 2.5" drive bracket. Remove the bracket and set aside. Using a tool, remove the USB 2.0 port punchouts if you haven't already done so.
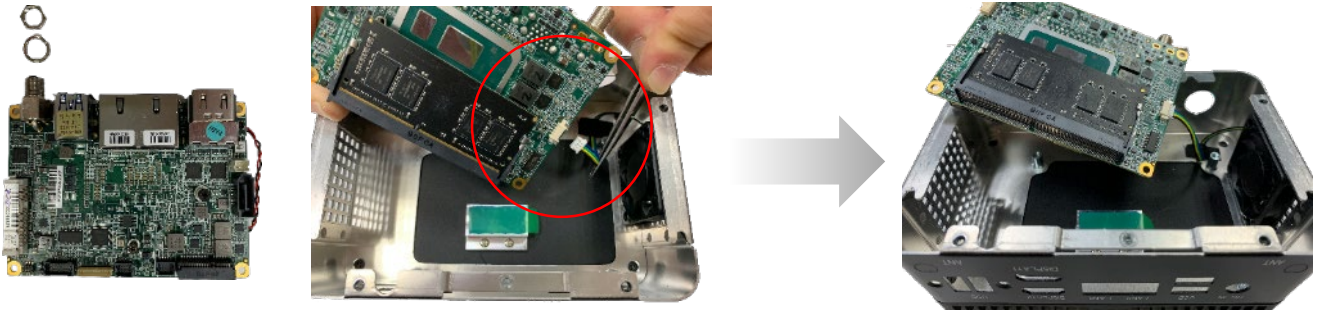
Step 3: On the processor side of the PICO-WHU4 board, install the memory RAM module. Insert at an angle (~30°) and then gently press down until it is secured in place.
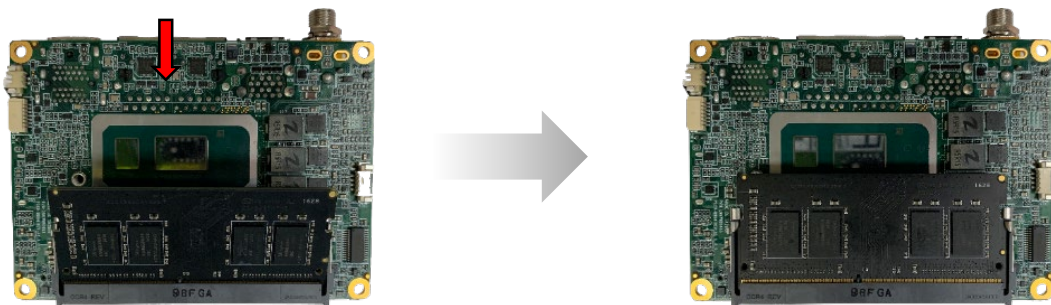
Step 4: Remove the cover for the thermal padding attached to the heat sink (top of system).
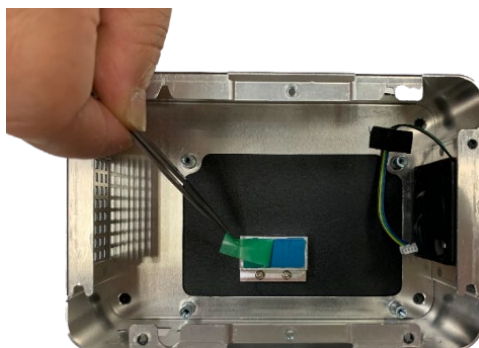
Step 5: Remove nut and washer from DC jack. Connect fan power cable to board (CN15).


Step 6: Insert the PICO-WHU4 board into the chassis assembly with the processor side toward the heatsink. DO NOT place the CMOS battery between the board and thermal assembly. Make sure the processor is contacting the thermal padding and the holes line up with board and mounting points.

Note: Make sure the fan power cable runs between the board and heatsink and does not come into contact the fan blades.
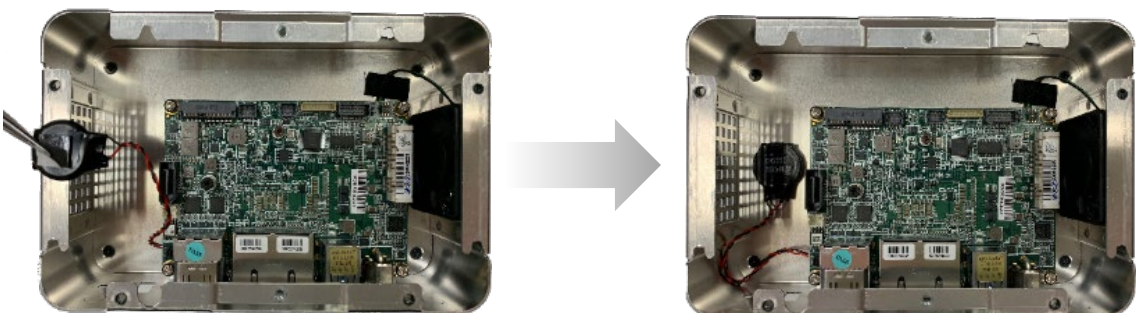
Step 7: Check that the I/O ports are properly aligned. Secure board with four nickel screws.
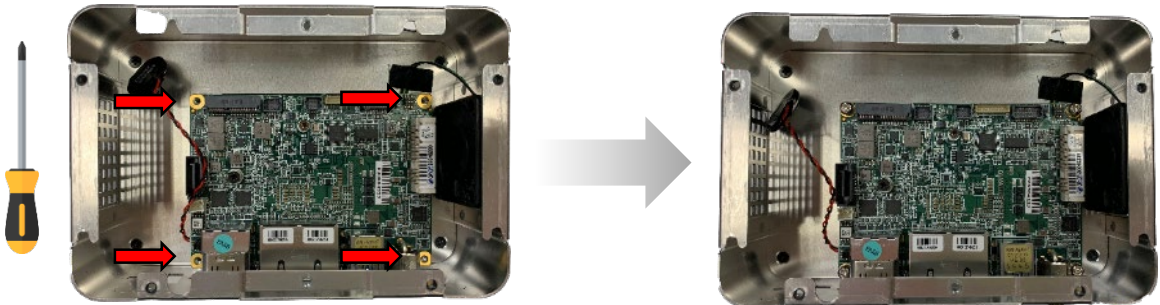
Step 8: : Reattach nut and washer to DC jack.

Step 9: Remove the adhesive backing from the CMOS battery. Attach battery to chassis.
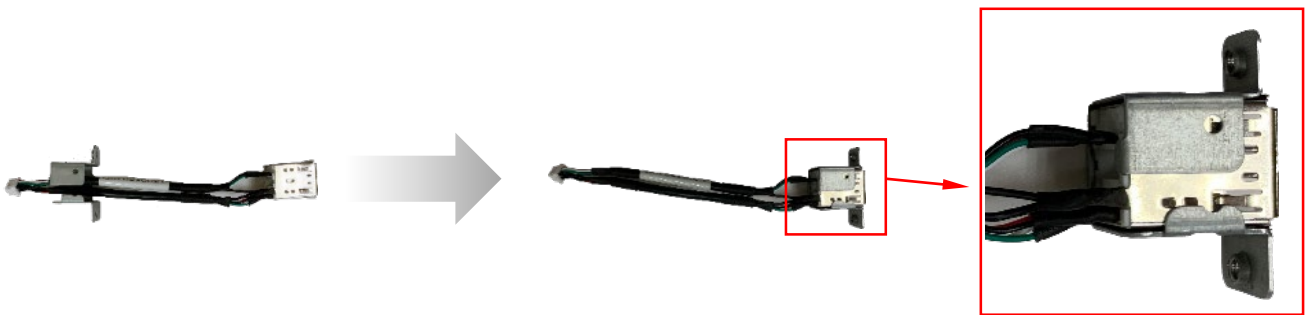
Step10: Thread the power button cable through the hole for the power button. Button should line up with notch at the top of the hole. Plug the cable into the front panel connector (CN3), then gently push the power button in until it is secure (you will hear a 'click').


Step 11: Thread USB 2.0 cable into USB bracket. Note the placement of the cable with the bracket opening.

Step 12: Insert bracket into system with opening pointed towards heatsink (check image below for alignment). Secure to I/O panel with two black screws as shown. Connect cable to USB 2.0 port connector (CN19).


Step 13: Attach SATA cable to CN7 and SATA Power cable to CN9. DO NOT attach to storage device at this time.
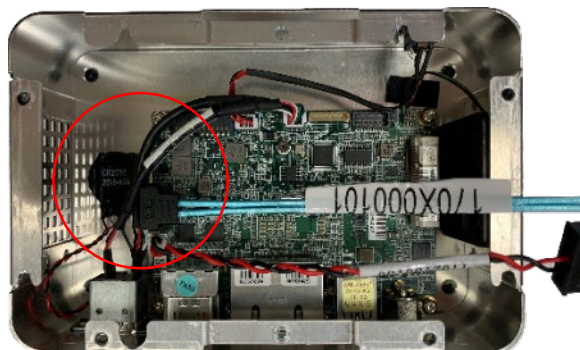
Step 14: Attach 2.5" drive to drive bracket, secure with four screws as shown. Note orientation with arrow. Attach SATA and SATA Power cables to drive, then attach the assembly to the system (Note: arrow points towards fan).


Step 15: To reattach bottom panel, make sure the posts line up with the corresponding slots as shown. Slide panel onto system, then secure with four black screws.
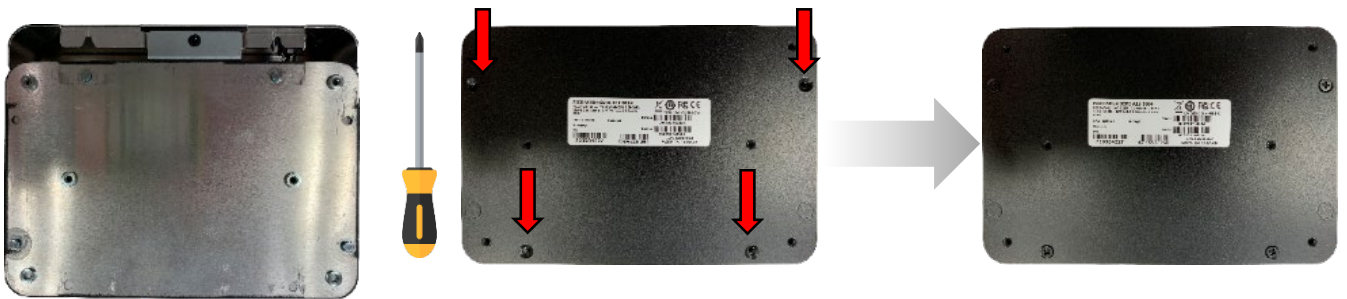
Step 16: VESA Mount (Requires VESA mounting kit). To use a VESA mount, attach two VESA mount screws to the bottom of the system as shown. Make sure the VESA bracket is attached to mounting surface with arrow pointing up. Slide the system into the mount as shown. (Figure is for demonstration purposes).
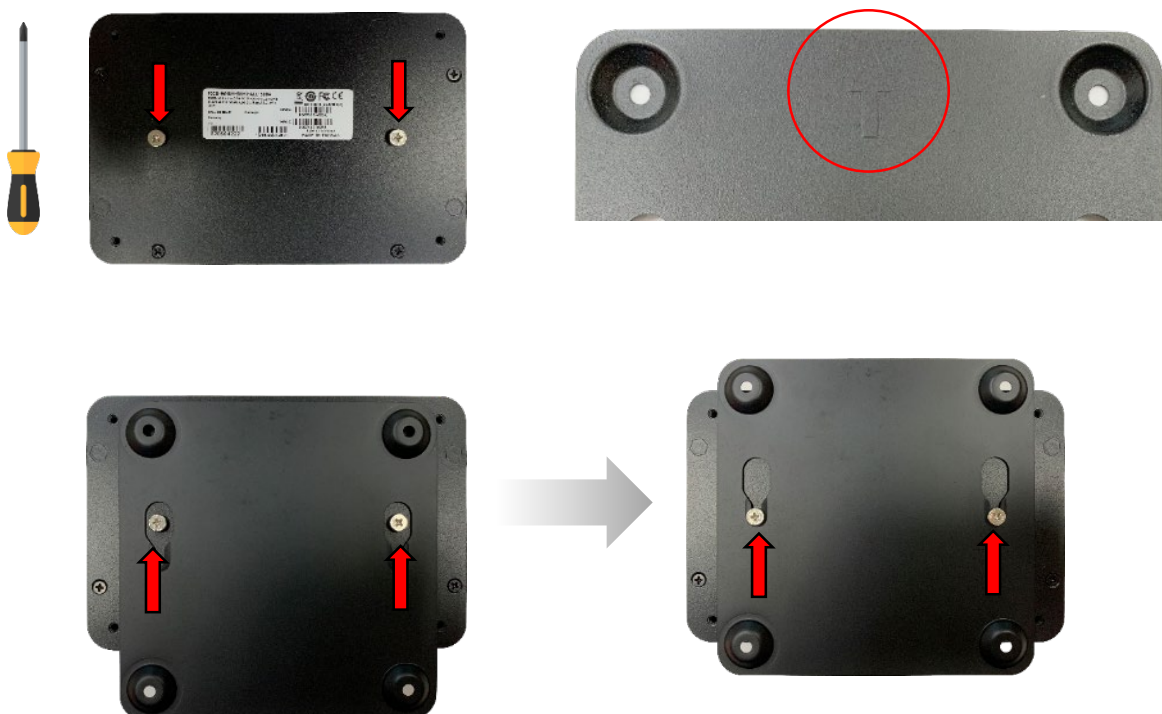
Step 17: Wall Mount (Requires wall mount bracket kit). Line up brackets with the four holes shown. Secure with four black screws. System can now be mounted to wall or surface.
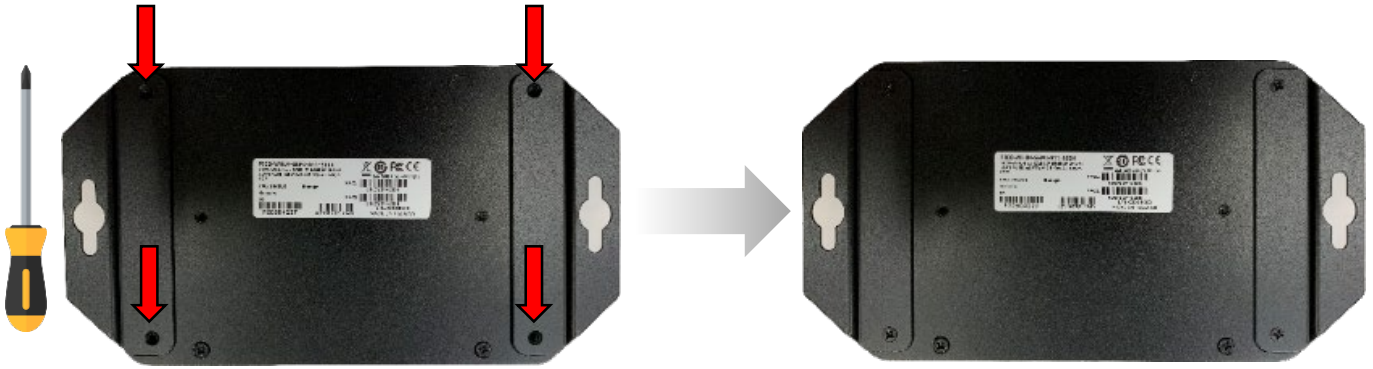
Step 18: Dual COM Port installation (optional). Remove I/O punchouts from front of system. Remove the retainer screws from each port connector, four in total.

Step 19: Line up the COM ports with the correct holes. Check the attached labels to ensure the ports are mounted to the matching labeled I/O hole. Secure with retainer screws.
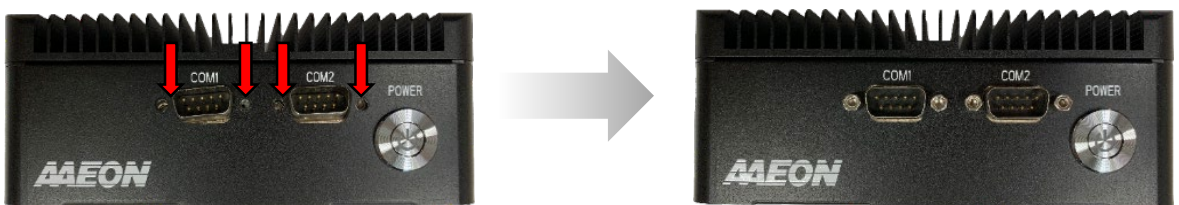
Step 20: Attach the grounding wire to the closest board mounting screw as shown. Connect the cable to the COM Port 1/Port 2 connector (CN2).