




Shuttle BPCWL03 Embedded Box PC User Guide

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Shuttle®

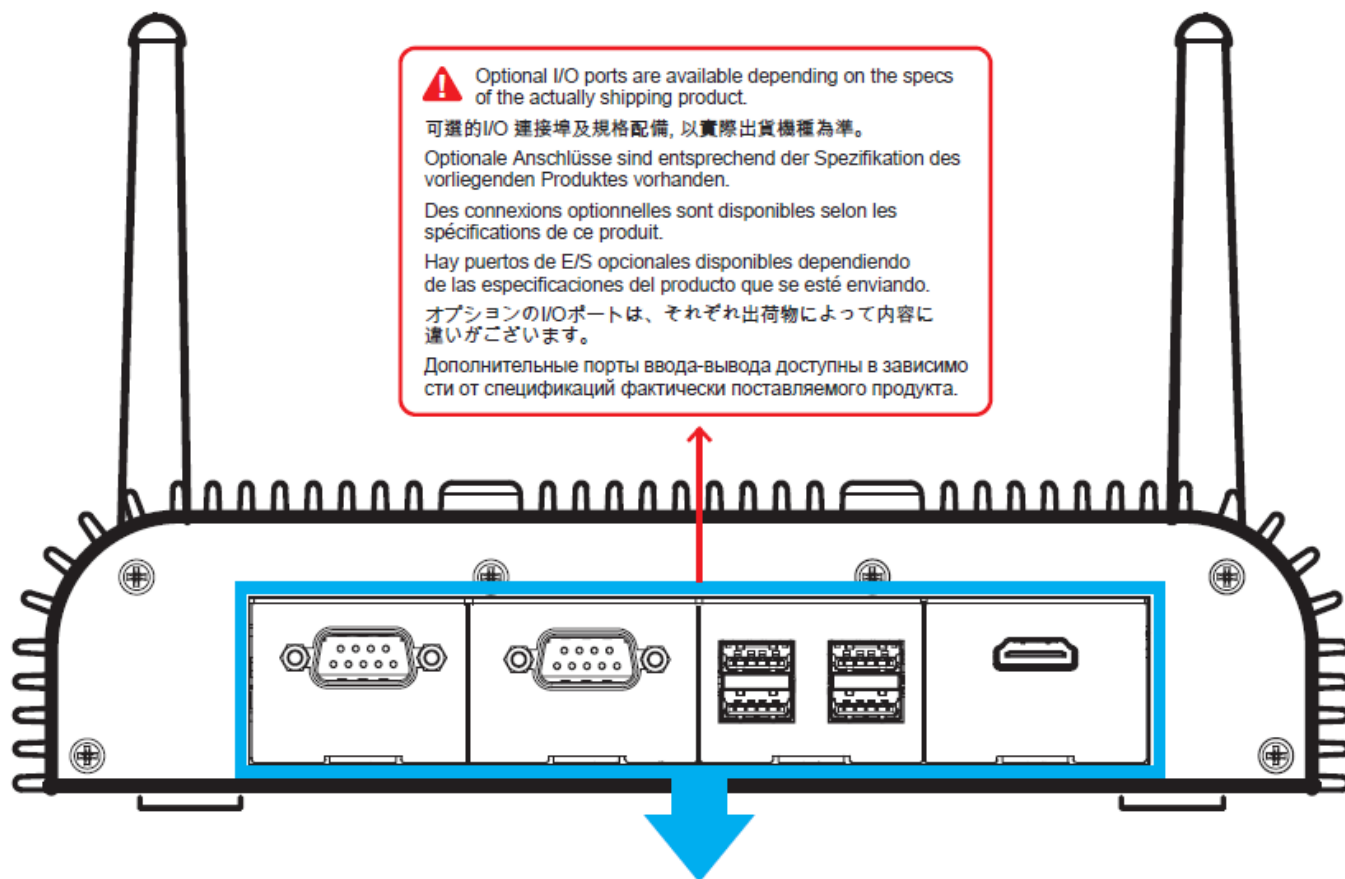
Shuttle BPCWL03 Embedded Box PC

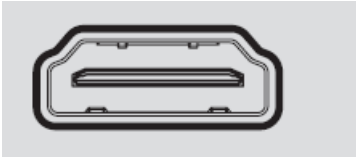


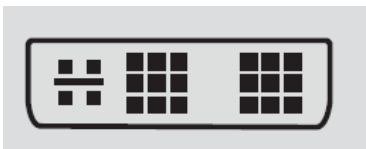
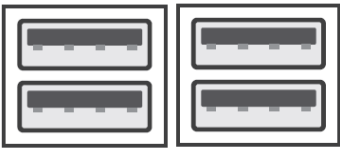
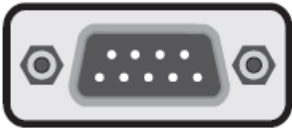



More information on this product can be found at: <https://bit.ly/BPCWL03>

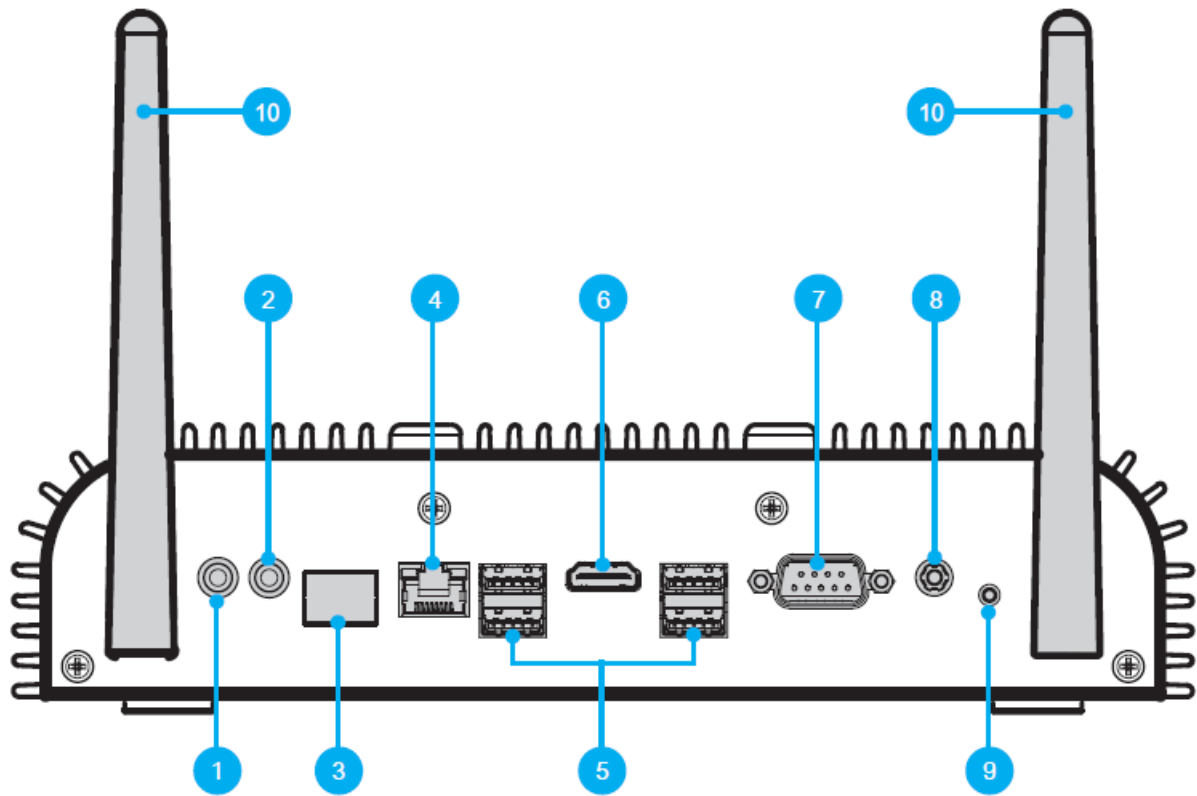
Product Overview

Front Panel



Optional I/O Port	Occupied Sections		Specifications / Limitations
HDMI 1.4 / 2.0	1		Choose one from four optional display boards. Max. resolution: <ol style="list-style-type: none"> 1. HDMI 1.4: 4k/30Hz 2. HDMI 2.0: 4k/60Hz 3. DisplayPort: 4k/60Hz 4. DVI-I/D-Sub: 1920×1080
DisplayPort 1.2 (DP)	1		
D-Sub (VGA)	1		
DVI-I (Single Link)	1		
USB 2.0	1		Maximum: 2 x Quad USB 2.0 board
COM4	1		RS232 only
COM2, COM3	2		RS232 / RS422 / RS485 Power supply : Ring in/5V

Back Panel

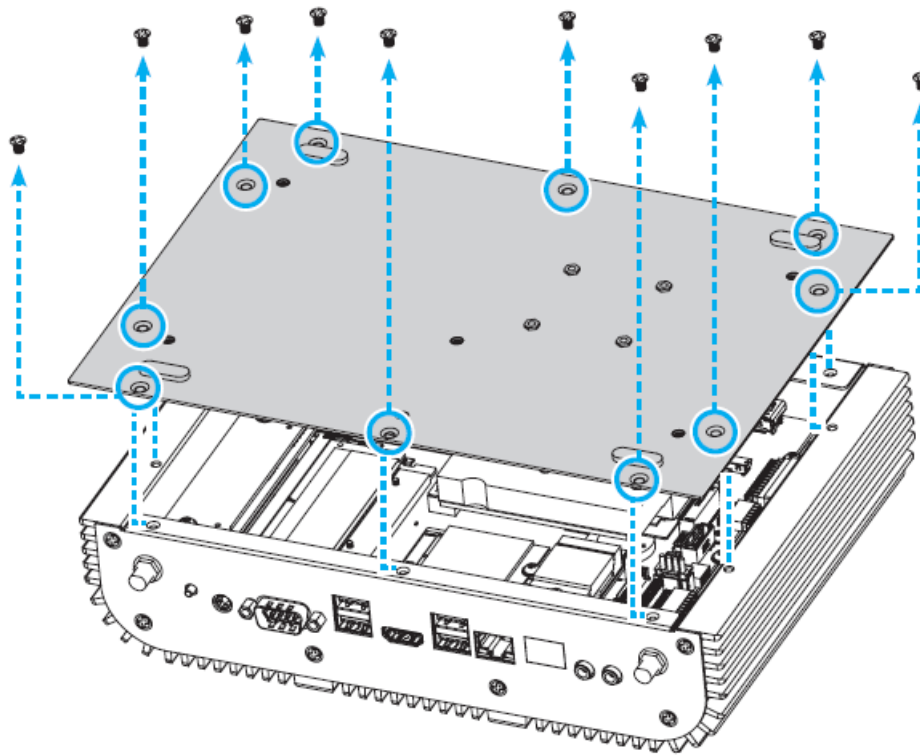


1. Headphones / Line-out jack
2. Microphone
3. LAN port (supports wake on LAN)(optional)
4. LAN port (supports wake on LAN)
5. USB 3.0 ports
6. HDMI port
7. COM port (RS232 only)
8. Power jack (DC-IN)
9. Power button
10. Connector for WLAN Dipole antennas (optional)

Begin Installation

For safety reasons, please ensure that the power cord is disconnected before opening the case.

1. Unscrew the ten screws of the chassis cover and remove it.

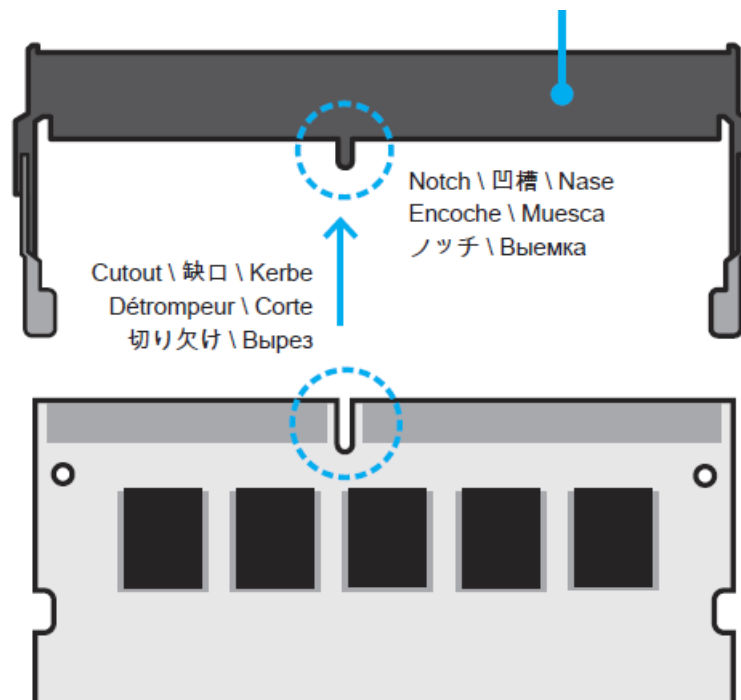


Memory Module Installation

This motherboard does only support 1.2 V DDR4 SO-DIMM memory modules.

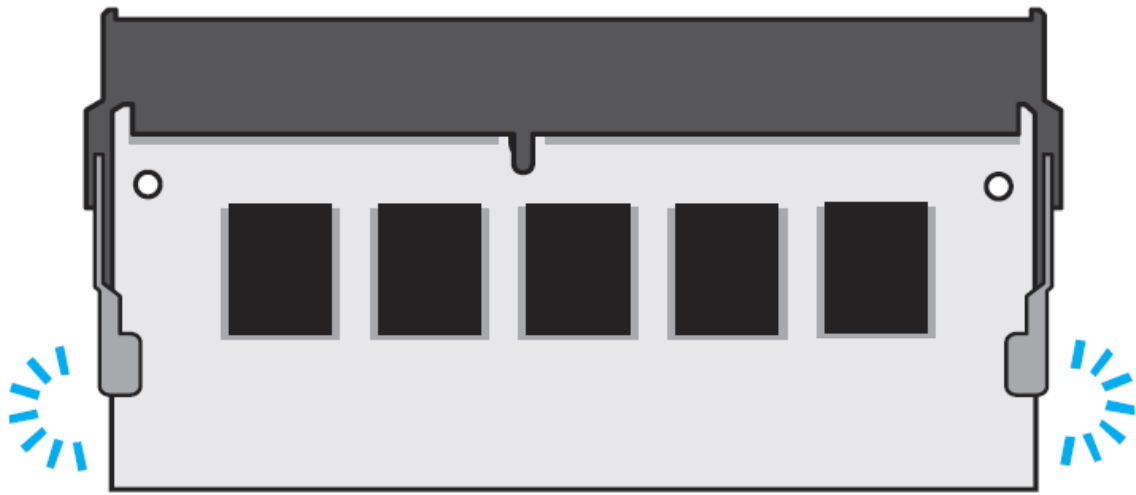
1. Locate the SO-DIMM slots on the motherboard.
2. Align the notch of the memory module with the one of the relevant memory slot.
3. Gently insert the module into the slot in a 45-degree angle.

SO-DIMM slot



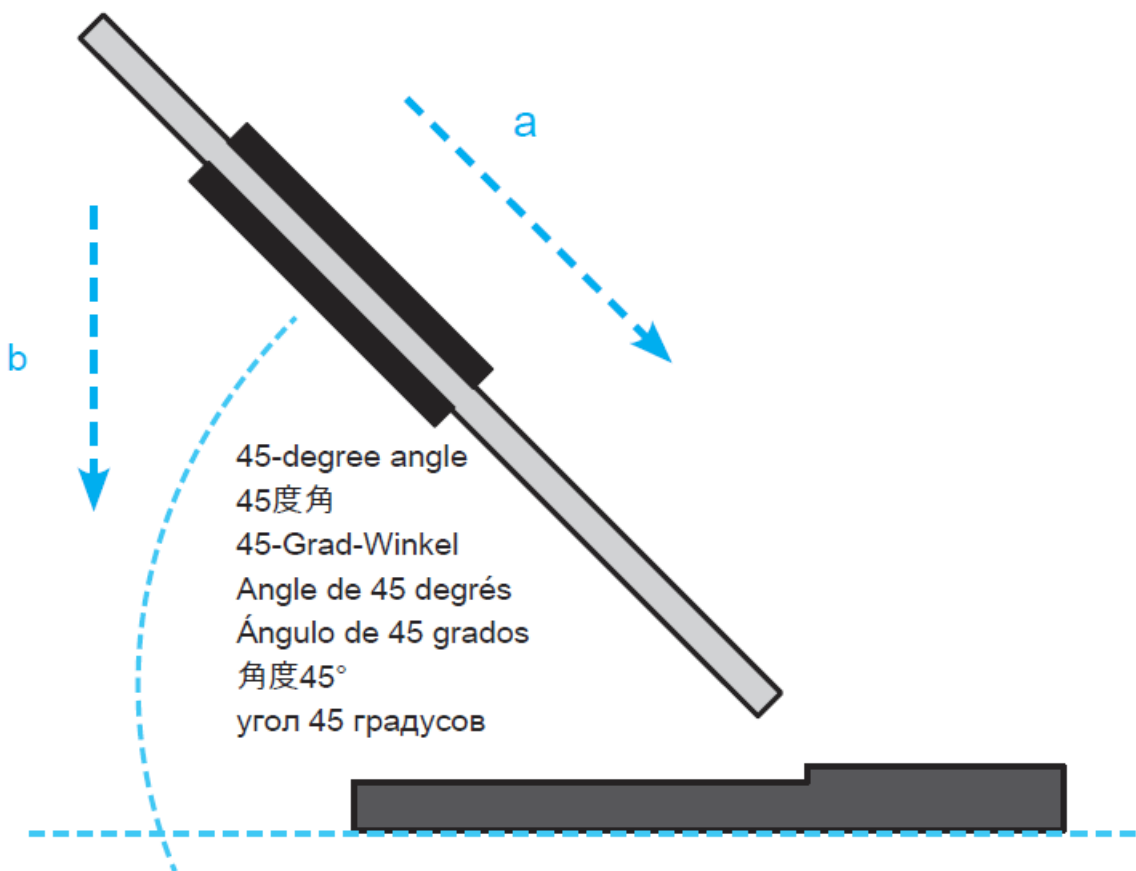
4. Carefully push down the memory module until it snaps into the locking mechanism.

C



Latch \ 卡榫
Haltebügel \ Loquet
Seguro \ ラッチ \ Задвижка

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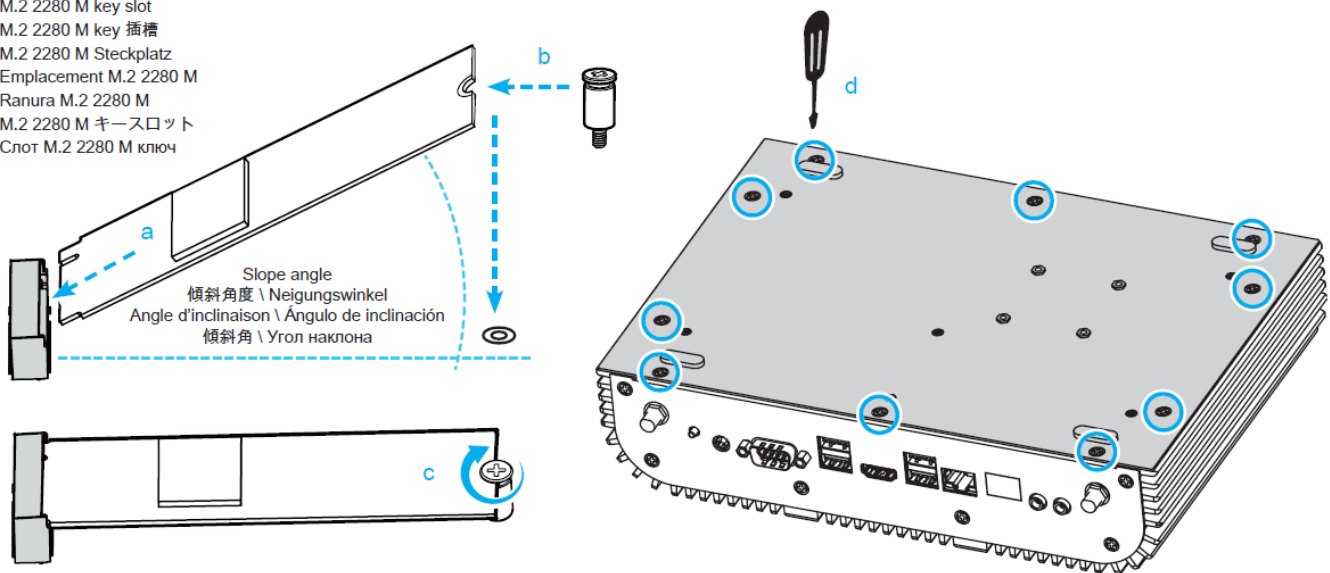


5. Repeat the above steps to install an additional memory module, if required.

M.2 Device Installation

1. Locate the M.2 key slots on the motherboard, unfasten the screw first.
2. Install the M.2 device into the M.2 slot and secure with the screw.
3. Please replace and affix the chassis cover with ten screws.

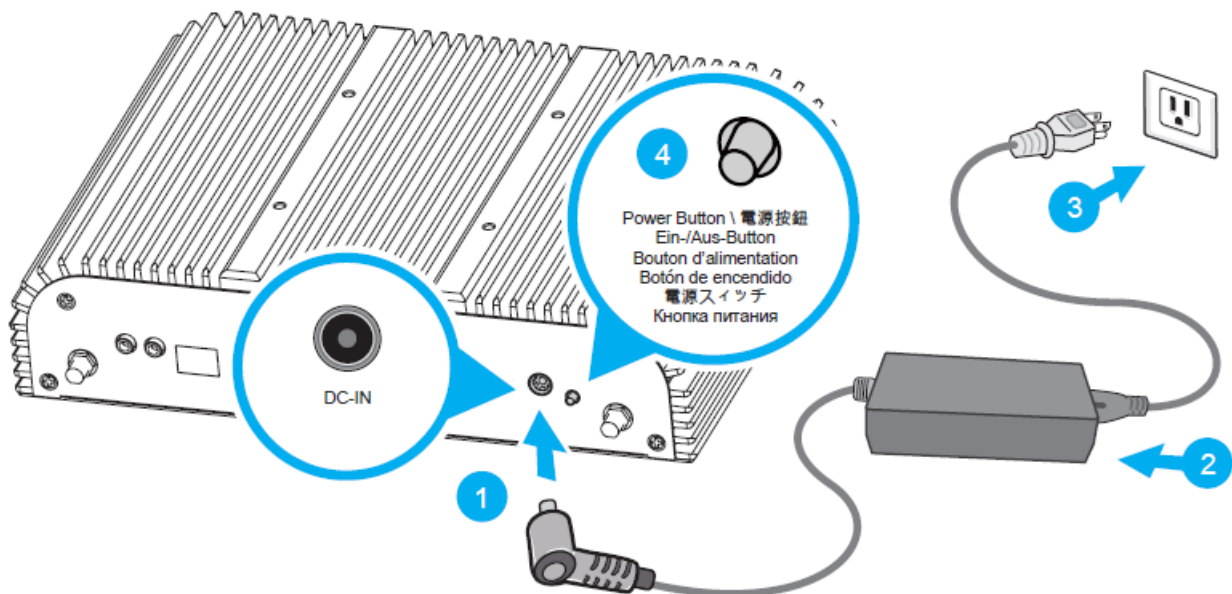
➤ M.2 2280 M key slot
M.2 2280 M key 插槽
M.2 2280 M Steckplatz
Emplacement M.2 2280 M
Ranura M.2 2280 M
M.2 2280 M キースロット
Слот M.2 2280 M ключ



Powering on the system

Follow the steps (1-3) below to connect the AC adapter to the power jack (DC-IN). Press the power button (4) to turn on the system.

Press and hold the power button for 5 seconds to force shutdown.



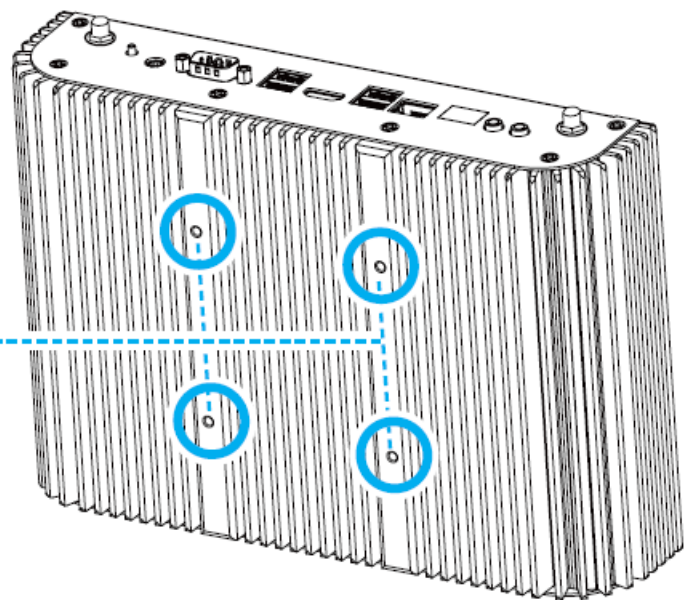
Do not use inferior extension cords as this may result in damage to your Box-PC. The Box-PC comes with its own AC adapter.

Do not use a different adapter to power the Box-PC and other electrical devices.

VESA mounting it to the wall (optional)

The standard VESA openings show where an arm/wall mount kit which is available separately can be attached.

Screws M4 x 6L * 4pcs
 螺絲 M4 x 6L * 4顆
 Vier Schrauben M4 x 6L
 Quatre vis M4 x 6L
 Cuatro tornillos M4 x 6L
 ネジ M4 x 6L x 4個
 Саморезы M4 x 6L * 4шт



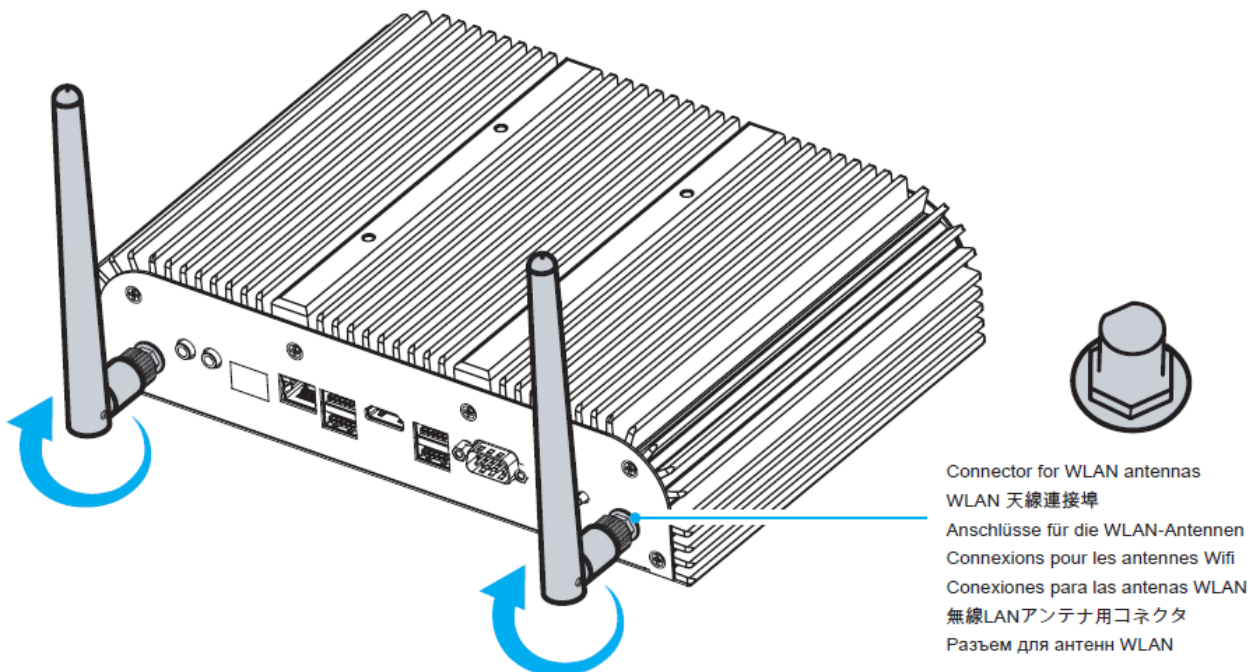
The Box-PC can be wall-mounted using a VESA compatible 75 mm x 75 mm wall/arm bracket. The maximum load capacity is 10 kg and mounting suitable in heights of ≤ 2 m only. The metal thickness of the VESA mount must be between 1.6 and 2.0 mm.

Should any accessories be required, please contact Shuttle or your relevant supplier.

Installation of WLAN antennas (optional)

1. Take the two antennas out of the accessory box.
2. Screw the antennas on to the appropriate connectors on the back panel.

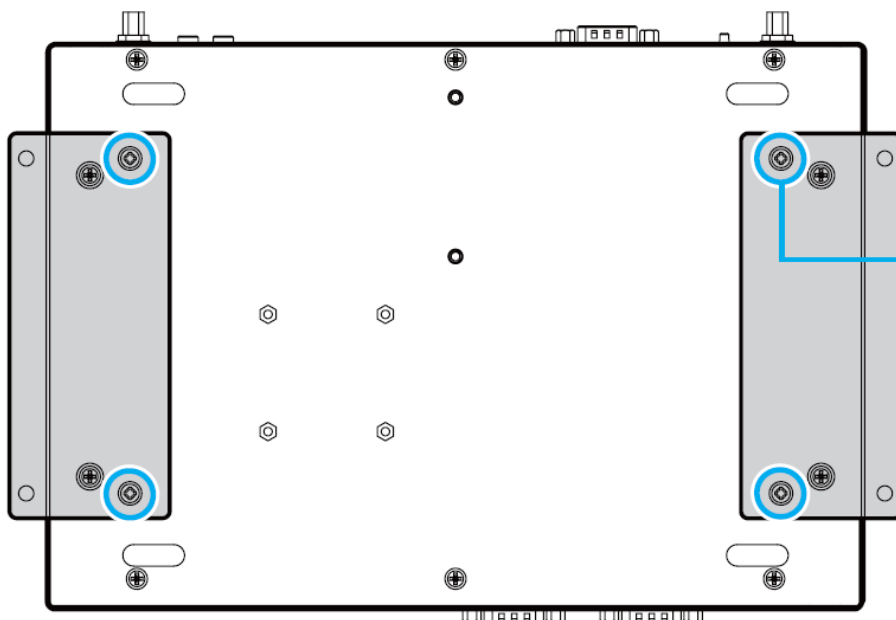
Make sure the antennas are aligned vertically or horizontally to achieve the best possible signal reception.



Ear mounting to the wall (optional)

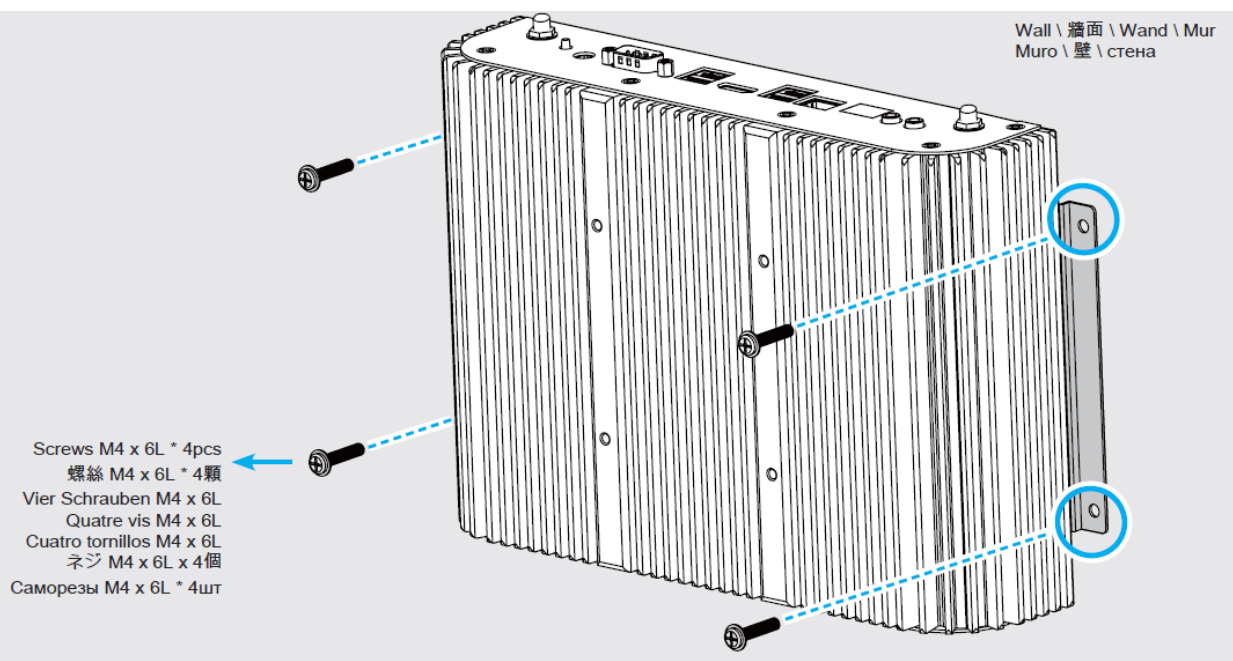
Follow the steps 1-2 to install the ear mount.

1



Screws M3 x 6L * 4pcs
 螺絲 M3 x 6L * 4顆
 Vier Schrauben M3 x 6L
 Quatre vis M3 x 6L
 Cuatro tornillos M3 x 6L
 ネジ M3 x 6L x 4個
 Саморезы M3 x 6L * 4шт

2

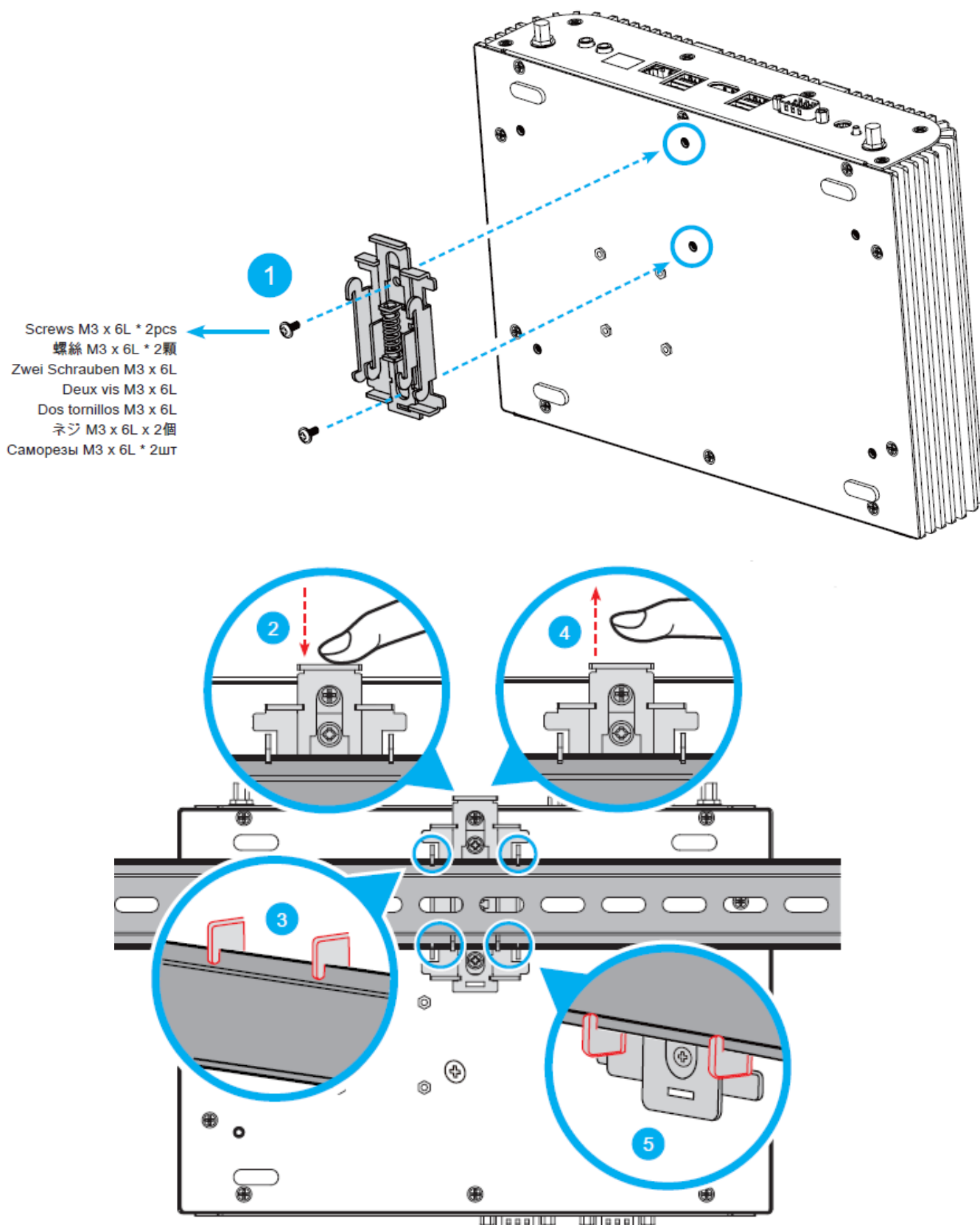


Wall \ 牆面 \ Wand \ Mur
 Muro \ 壁 \ стена

Screws M4 x 6L * 4pcs
 螺絲 M4 x 6L * 4顆
 Vier Schrauben M4 x 6L
 Quatre vis M4 x 6L
 Cuatro tornillos M4 x 6L
 ネジ M4 x 6L x 4個
 Саморезы M4 x 6L * 4шт

Using the Din Rail (optional)

Follow the steps 1-5 to affix the Box-PC on a DIN rail.



Safety Information

Incorrectly replacing the battery may damage this computer. Replace only with the same or equivalent as recommended by Shuttle.

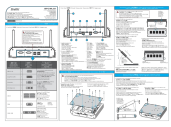
Dispose of used batteries according to the manufacturer's instructions.

- The unit can be operated at an ambient temperature of max. 60°C (140°F). Do not expose it to temperatures below -20°C (-4°F) or above 60°C (140°F). Ideal for industrial applications: factory, engine room... etc.

Touching of Box-PC in operation at a temperature range of -20°C (-4°F) and 60°C (140°F) must be avoided.

Caution: high surface temperature! Please don't touch the set directly till the set cool down.

Documents / Resources



[Shuttle BPCWL03 Embedded Box PC](#) [pdf] User Guide
BPCWL03 Embedded Box PC, BPCWL03, Embedded Box PC, Box PC, PC

References

-  [Shuttle Global - BPCWL03](#)

Manuals+.