

53R-P55U03-2001

More information on this product can be found at: <https://bit.ly/P55U-d>
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Product Overview \ 產品外觀 \ Produktübersicht \ Présentation du produit \ Resumen del producto \ 製品概要 \ Обзор продукта \ 产品外观



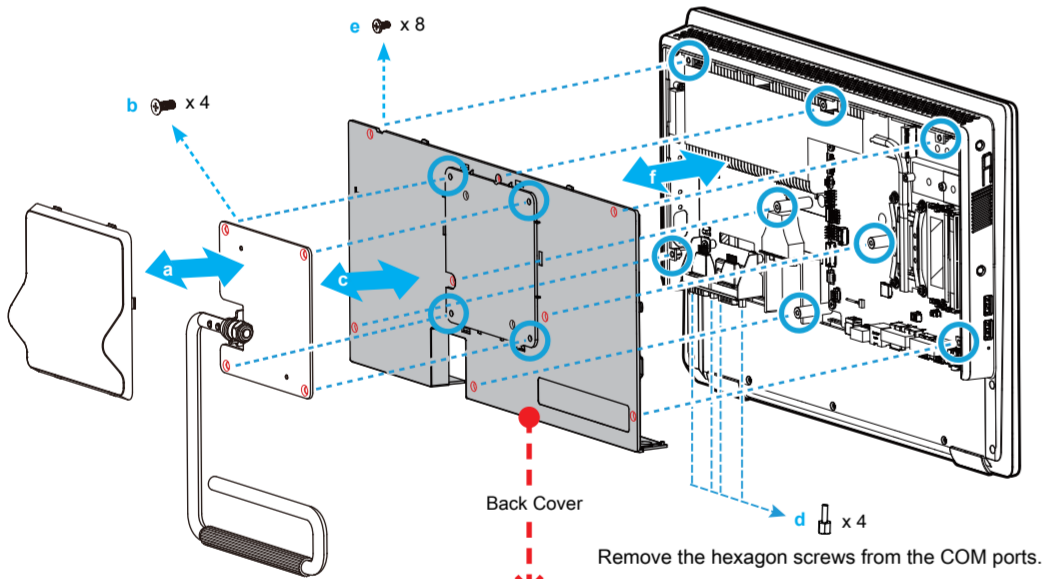
- | | | | |
|-------------------------------|-------------------------|-----------------------------------|--------------------------------|
| 01. LCD display (Multi-touch) | 06. Hard disk drive LED | 11. Stand / Handle | 16. Power jack (DC-IN) |
| 02. Microphone | 07. Power button | 12. Perforation for optional WLAN | 17. HDMI Port |
| 03. Webcam | 08. Stereo speakers | 13. Kensington® Lock Hole | 18. LAN Port |
| 04. Webcam status LED | 09. USB 3.2 Gen 1 Ports | 14. COM Ports | 19. USB 3.2 Gen 2 Ports |
| 05. Power LED | 10. Clear CMOS button | 15. VGA Port | 20. Headphones / Line-out Jack |
| | | | 21. Microphone Jack |

Hardware Installation \ 硬體安裝 \ Hardware Installation \ Installation du matériel \ Instalación de hardware \ ハードウェアのインストール \ Установка оборудования \ 硬件安裝

A. Begin Installation

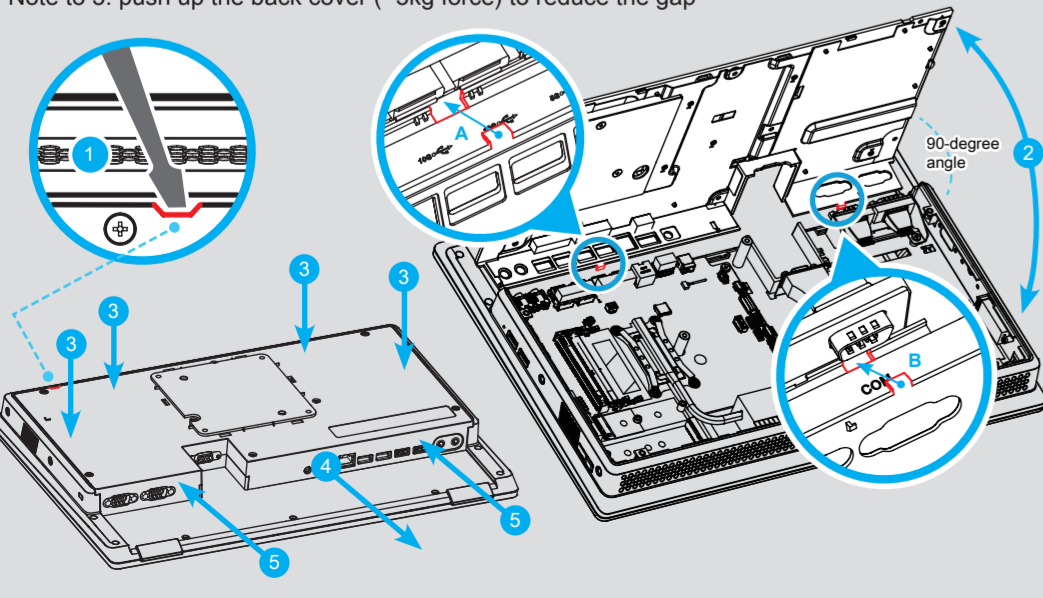
For safety reasons, please ensure that the power cord is disconnected before opening the case.

- Follow the steps (a-b-c-d-e-f) to remove the stand and back cover.
- Follow the steps (f-e-d-c-b-a) to replace the back cover and stand.



Please check the 2 latches (A,B) at bottom sides, as shown. Make sure they are aligned to remove or replace the back cover.

- Follow the steps 1 → 2 → 4 to remove the back cover.
- Follow the steps 2 → 3 (push) → 5 (push) to install the back cover. Note to 5: push up the back cover (~5kg force) to reduce the gap

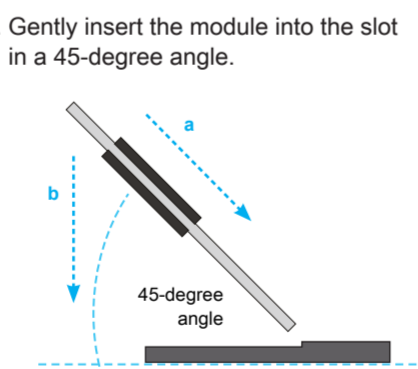
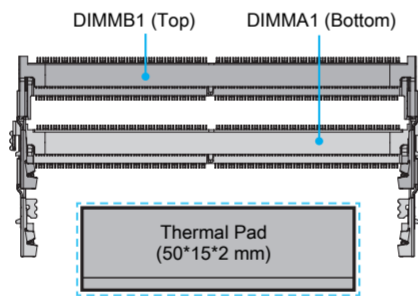


The product's colour and specifications may vary from the actually shipped product.

B. Memory Module Installation

This motherboard does only support 1.1 V DDR5 SO-DIMM memory modules.

- Locate the SO-DIMM and paste the thermal pad (50*15*2 mm) on the motherboard, which can effectively reduce its temperature.
- Install the 1st memory module into the DIMMA1 slot.
- Align the notch of the memory module with the one of the relevant memory slot.
- Gently insert the module into the slot in a 45-degree angle.
- Carefully push down the memory module until it snaps into the locking mechanism and put the mylar back in place.
- Install the 2nd memory module into the DIMMB1 slot (proceed with steps B3 to B5) and paste the thermal pad, as shown.



The product contains non-replaceable batteries

The statement "remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate."

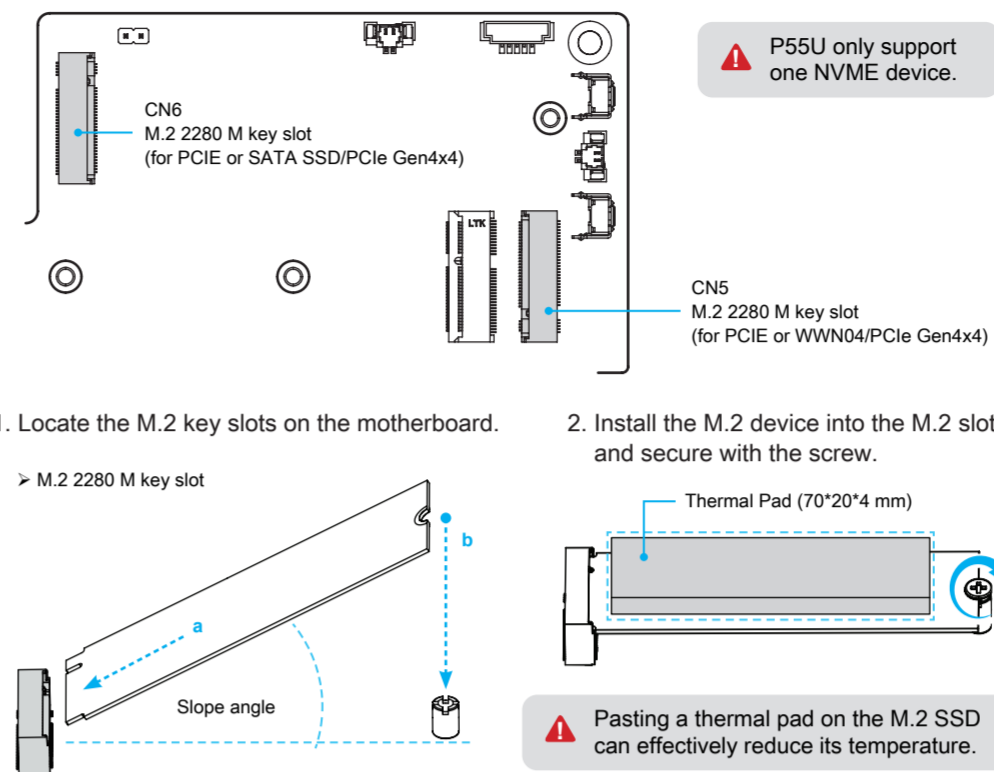
- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.
- Even used batteries may cause severe injury or death.
- Call a local poison control center for treatment information.
- Indicating the compatible battery type CR2032.
- Indicating the nominal battery voltage.
- Non-rechargeable batteries are not to be recharged.
- Do not force discharge, recharge, disassemble, heat above (manufacturer's specified temperature rating) or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.



If swallowed, a lithium button battery can cause severe or fatal injuries within 2 hours. Keep batteries out of reach of children. If you think batteries may have been swallowed or placed inside any part of the body, seek immediate medical attention.

C. M.2 Device Installation

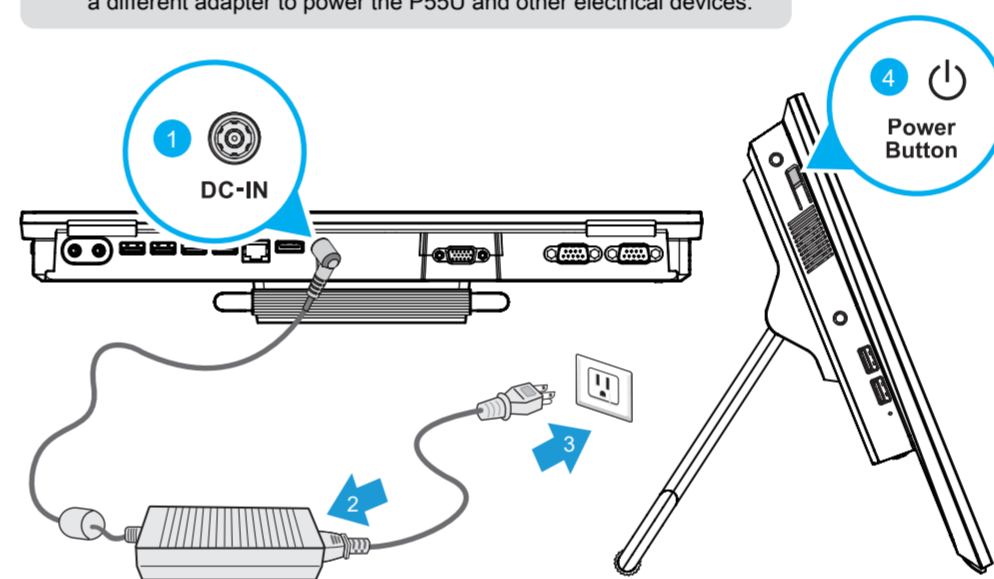
Notice for M.2 slots:
 When CN5 is occupied by NVME device, CN6 only support SATA interface.



Powering on the system

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

Do not use inferior extension cords as this may result in damage to your P55U. The P55U comes with its own AC adapter. Do not use a different adapter to power the P55U and other electrical devices.



Please press the "Del" key while booting to enter BIOS. Here, please load the optimised BIOS settings.

Should any accessories be required, please contact Shuttle or your relevant supplier. 若有任何配件需求, 請聯繫 Shuttle 或當地的供應商。 Sollten Sie ein Zubehör benötigen, wenden Sie sich bitte direkt an Shuttle oder Ihre jeweilige Bezugsquelle. Si vous avez besoin d'accessoires, veuillez contacter Shuttle ou votre fournisseur. Si necesita accesorios, póngase en contacto con Shuttle o con su respectivo proveedor. 必要なアクセサリがある場合、Shuttle社もしくは販売店様までお問合せ下さい。 Если потребуются какие-либо аксессуары, обращайтесь в Shuttle или к вашему поставщику. 若有任何配件需求, 请联系 Shuttle 或当地的供应商。

Safety Information / 安全資訊 / Sicherheitshinweise / Informations de sécurité / Información de seguridad / 安全に関する情報 / Информация о безопасности / 安全信息

Incorrectly replacing the battery may damage this computer. Replace only with the same or equivalent as recommended by Shuttle. Dispose of used batteries in accordance with the laws of your country.

更換電池方式錯誤可能會損壞本電腦以及引發爆炸、火災或其他危險。僅能依 Shuttle 的建議, 以相同或同等的電池更換。請根據您所在國家/地區的法律規定處理廢電池。 Das unkorrekte Austauschen der Batterie kann diesen Computer beschädigen. Ersetzen Sie die Batterie nur durch den gleichen Typ oder ein gleichwertiges, von Shuttle empfohlenes Modell. Entsorgen Sie gebrauchte Batterien gemäß den gesetzlichen Vorschriften in Ihrem Land. Ne pas remplacer correctement la pile peut endommager l'ordinateur. Remplacez-la uniquement par un modèle identique ou un équivalent comme recommandé par Shuttle. Éliminez les piles usagées conformément à la législation en vigueur dans votre pays.

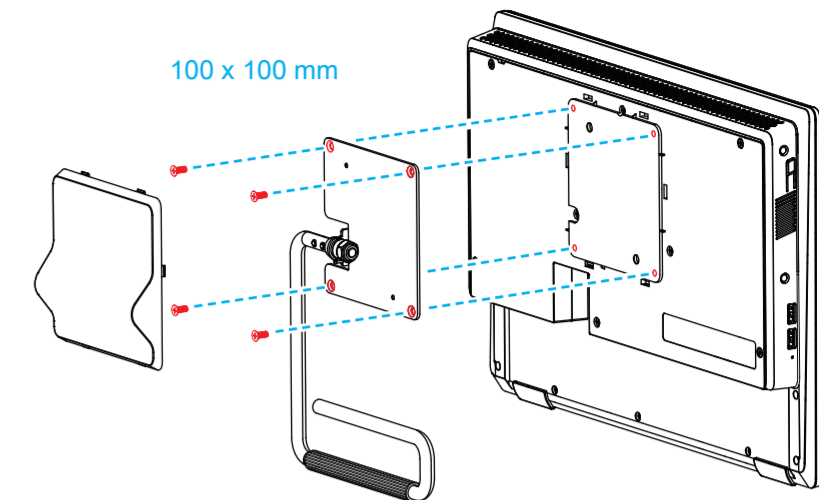


This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. This device meets the requirements for the EU conformity in accordance to the currently valid EU directives. Dieses Produkt erfüllt die Anforderungen für die EU-Konformität entsprechend der aktuell geltenden EU-Richtlinien. Ce produit répond aux exigences de la conformité UE suivant les directives européennes actuellement en vigueur.

- This product may crash or shut down due to ESD interference, which must be restarted by operator.
- 警語 (於產品本體、說明書及外包裝標示): 使用過度恐傷害視力。
 - 注意事項 (於產品說明書及外包裝標示): (1) 使用30分鐘請休息10分鐘。(2) 2歲以下幼兒不看螢幕, 兩歲以上每天看螢幕不要超過1小時。

VESA mounting it to the wall

If you are mounting your P55U to the wall, remove the cover from the back of the P55U first. Unscrew four screws of the stand mount and remove the stand. The VESA standard makes it easy to mount the P55U on to walls. Please refer to the user guide of the wall/arm mount kit you bought separately how to install it.

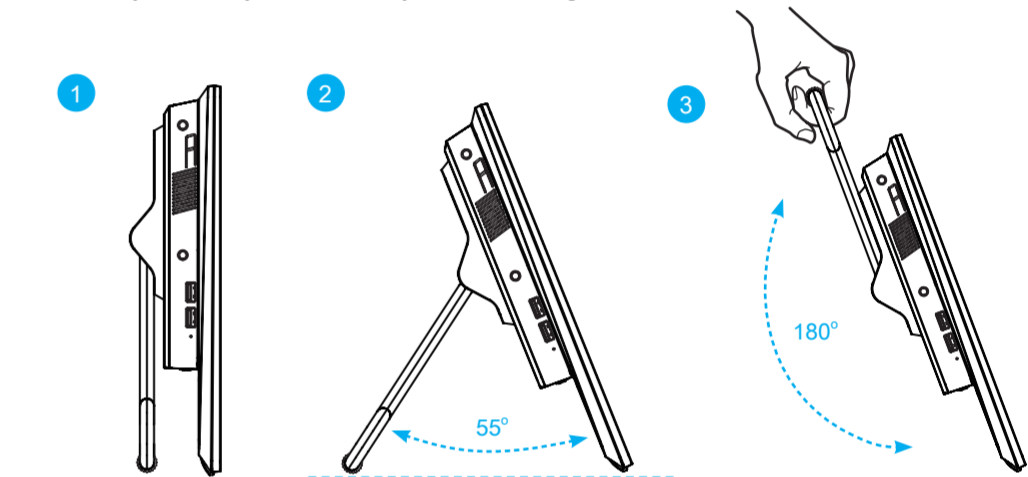


The P55U can be mounted to a wall using a VESA compatible 100 x 100 mm wall/arm bracket.

Placing on a desk

To place the machine on a desk and to carry it, do the following:

- Place the P55U on a flat surface such as a table.
- Pull the stand upwards to an angle of 55°.
- To carry or move your P55U, fully extend the angle to 180°.

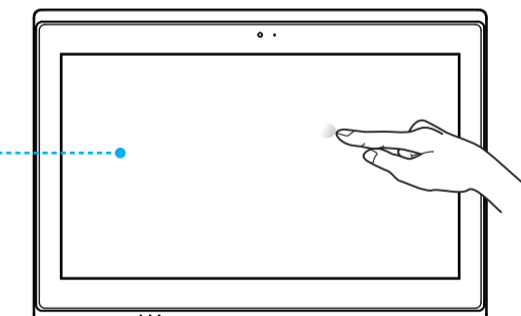


How to use the Touch Panel

The touch of your finger replaces the input devices and is all you need to operate the P55U.

Cleaning the screen

Follow these guidelines for cleaning the outside and handling the screen of the computer: Turn off the system and disconnect all cables. Use a cleaning cloth which is soft, lint-free and a little damp to gently wipe the screen surface. Do not spray liquids directly onto the device.

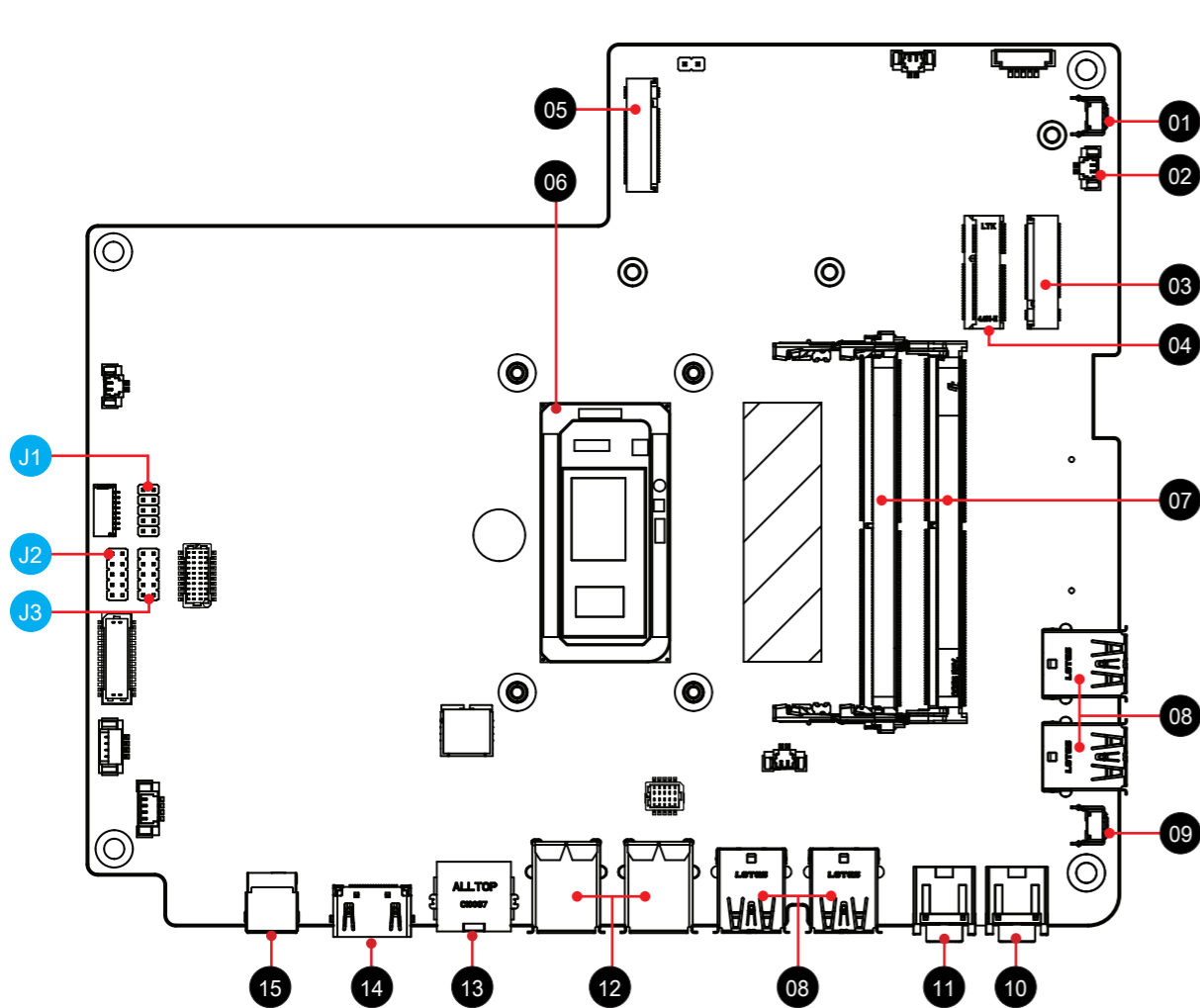


注意: 仅适用于海拔 2000m 以下安全使用, 在海拔 2000m 以上使用时, 可能有安全隐患。

注意: 仅适用于在非热带气候条件下安全使用, 在热带气候条件下使用时, 可能有安全隐患。

注意: 允许产品使用的最高环境温度为 40°C。* The equipment was evaluated for use in a maximum air ambient temperature of 40 °C. 產品宣告最大適用環境溫度為 40 °C。

All bundled parts, power cord included, shall not be used without this product. 電源ケーブル等、すべての付属品は本機以外ではご使用になれません。

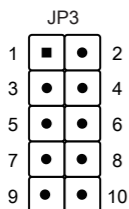


- 01. Power Button (SW2)
電源按鈕 (SW2)
Ein-/Aus-Button (SW2)
Bouton d'alimentation (SW2)
Botón de encendido (SW2)
電源スイッチ (SW2)
Кнопка питания (SW2)
電源按鈕 (SW2)
- 02. Power on connector (CN3)
電源插槽 (CN3)
Anschluss für Einschalt-Button (CN3)
Connecteur pour bouton d'allumage (CN3)
Conexión para botón de encendido (CN3)
電源用コネクタ (CN3)
Разъем включения питания (CN3)
電源插槽 (CN3)
- 03. M.2 2280 M key slot (CN5)
(for PCIe or WWN04/PCIe Gen4x4)
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
M.2 2280 M key 插槽
- 04. M.2 2230 E Key Slot
M.2 2230 E key 插槽
M.2-2230 (E) Steckplatz
Emplacement M.2 2230 E
Ranura M.2 2230 E
M.2 2230 E キースロット
Слот M.2 2230 E ключ
M.2 2230 E key 插槽
- 05. M.2 2280 M key slot (CN6)
(for PCIe or SATA SSD/PCIe Gen4x4)
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
M.2 2280 M key 插槽
- 06. Intel® Raptor lake-U Series processor
Intel® Raptor lake-U Series 處理器
Intel® Raptor lake-U Series Prozessor
Processeur Intel® Raptor lake-U Series
Procesador Intel® Raptor lake-U Series
Intel® Raptor lake-U Series プロセッサ
Процессор Intel® Raptor lake-U Series
Intel® Raptor lake-U Series 處理器
- 07. DDR5 SO-DIMM Slots
DDR5 SO-DIMM 插槽
DDR5 SO-DIMM Steckplätze
Slot mémoire SO-DIMM DDR5
Zócalo de DDR5 SO-DIMM
DDR5 SO-DIMM スロット
Слот памяти DDR5 SO-DIMM
DDR5 SO-DIMM 插槽
- 08. USB 3.2 Gen 1 Ports
USB 3.2 Gen 1 連接埠
USB 3.2 Gen 1-Anschlüsse
Prises USB 3.2 Gen 1
Puertos USB 3.2 Gen 1
USB 3.2 Gen 1 ポート
USB 3.2 Gen 1 порты
USB 3.2 Gen 1 端口
- 09. Clear CMOS button
清除 CMOS 鈕
Clear CMOS Button
Bouton de reset CMOS
Botón clear CMOS
クリア CMOS ボタン
Кнопка сброса памяти CMOS
清除 CMOS 鈕
- 10. MIC-in
麥克風插孔
Mikrofon-Anschluss
Entrée Micro
Entrada del micrófono
マイク
Гнездо для микрофона
麦克风插孔
- 11. Headphones
耳機孔
Kopfhörer-Anschluss
Prise casque
Conector para auriculares
イヤホン
Гнездо для наушников
耳机孔
- 12. USB 3.2 Gen 2 Ports
USB 3.2 Gen 2 連接埠
USB 3.2 Gen 2-Anschlüsse
Prises USB 3.2 Gen 2
Puertos USB 3.2 Gen 2
USB 3.2 Gen 2 ポート
USB 3.2 Gen 2 порты
USB 3.2 Gen 2 端口
- 13. LAN Port
網路連接埠
Netzwerk-Anschluss
Prise LAN
Puerto LAN
LAN ポート
Сетевые LAN-порты
LAN 端口
- 14. HDMI Port
HDMI 連接埠
HDMI-Anschluss
Prise HDMI
Puerto HDMI
HDMI ポート
HDMI порт
HDMI 端口
- 15. Power Jack (DC IN)
DC 電源連接埠
DC-Stromanschluss
Prise alimentation DC
Conexión de la fuente de alimentación (CC)
DC電源 端口
Гнездо для подключения питания (DC IN)
電源插孔 (直流电输入)

Jumper Settings

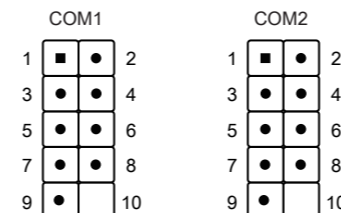
Jumper 設定 \ Jumper-Einstellungen \ Réglages cavaliers \ Configuración de los puentes \ ジャンパー設定 \ Настройки переключателя \ Jumper 設定

- J1 COM 1 & COM 2 power switch
COM 1 & COM 2 電源開關
Konfiguration von COM 1 & COM 2
Gestion de l'alimentation des COM 1 & COM 2
COM 1 & COM 2 Enchufe Interruptor
COM 1 & COM 2 電源 スイッチ
Переключатель питания COM 1 & COM 2
COM 1 & COM 2 电源开关



JP3	
Pin	Signal Name
1	-XRI1
2	COM_-XRI1
3	-XRI2
4	COM_-XRI2
5	+5P0V_S0
6	+5P0V_S0
7	COM1_PWR
8	COM2_PWR
9	+12P0V_S0
10	+12P0V_S0

- J2 J3 COM Port
COM 插座
COM-Ausgang
Port COM
Puerto COM
COM ヘッダ
COM-порт
COM 接头



J2 COM1	
Pin	Signal Name
1	COM_DCD1P_485TX-
2	COM_RX1P_485TX+
3	COM_TXD1P_422RX-
4	COM_DTR1P_422RX+
5	GND
6	DSR1P
7	RTS1P
8	CTS1P
9	COM_-XRI1
10	NULL

J3 COM2	
Pin	Signal Name
1	DCD2P
2	RX2P
3	TXD2P
4	DTR2P
5	GND
6	DSR2P
7	RTS2P
8	CTS2P
9	COM_-XRI2
10	NULL