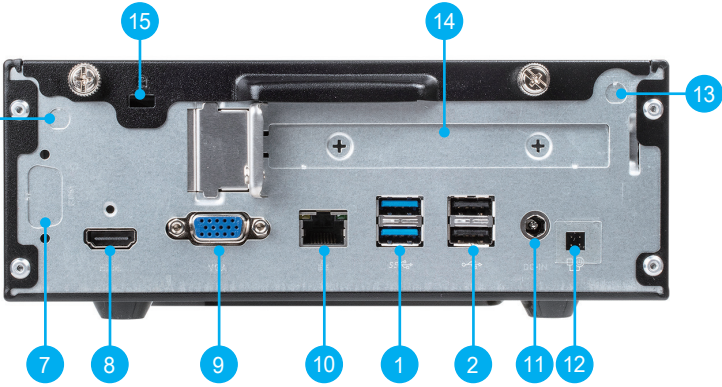
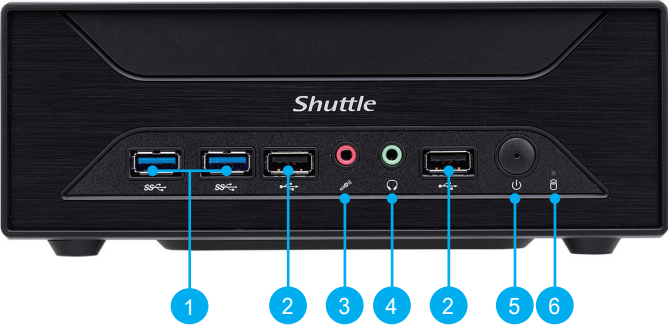


More information on this product can be found at: <https://bit.ly/XH410G>
更多本產品資訊，請蒞臨：<https://bit.ly/XH410G>
Weitere Informationen zu diesem Produkt finden Sie unter: <https://bit.ly/XH410G>
Pour plus d'informations sur ce produit, visitez: <https://bit.ly/XH410G>

Puede encontrar más información sobre este producto en: <https://bit.ly/XH410G>
本製品の詳細な情報については、次のURLより確認頂けます。<https://bit.ly/XH410G>
Для получения дополнительной информации об этом продукте перейдите по ссылке: <https://bit.ly/XH410G>
更多本产品信息，请访问：<https://bit.ly/XH410G>

Product Overview

產品外觀 \ Produktübersicht \ Présentation du produit \ Resumen del producto \ 製品概要 \ Обзор продукта \ 产品外观



1. USB 3.2 Gen1 Type-A Ports

2. USB 2.0 Ports

3. MIC-in

4. Headphones

5. Power switch / Power LED

6. Hard disk drive LED

7. COM port (optional)

8. HDMI 2.0 Port

9. D-Sub (VGA) port

10. LAN Port

11. Power Jack (DC IN)

12. Clear CMOS & Power Button & +5V

13. Wireless LAN perforation (optional)

14. PCIe x16 slot (optional)

15. Kensington® Lock hole

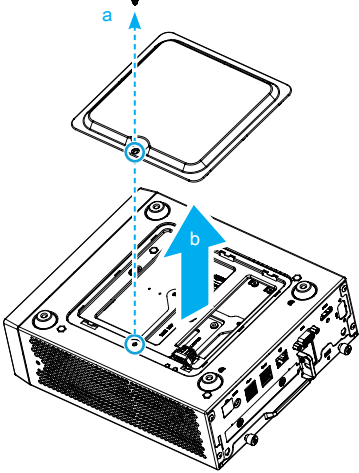
Hardware Installation

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

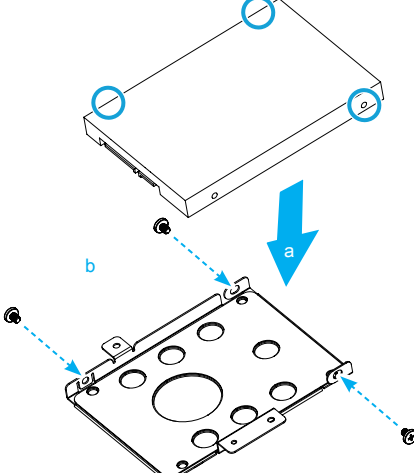
A. HDD/SSD and USB Installation

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

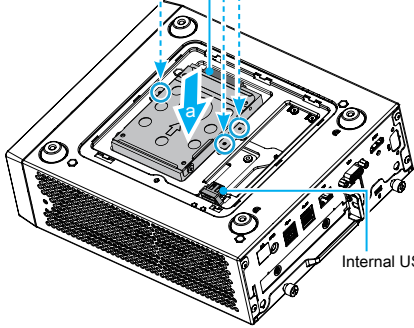
1. Turn your XH410G upside down, then unscrew one screw of the HDD/SSD cover and remove it.



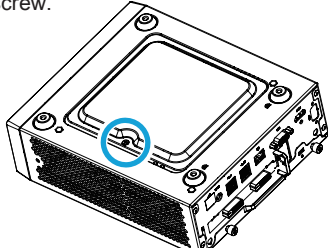
2. Mount the HDD/SSD into the bracket with three screws.



3. Tear off the adhesive tape of the HDD cable. Install the HDD or SSD in the chassis using its bracket. Affix with three screws and connect the HDD or SSD with an HDD cable. Insert the USB drive, if required.



4. Replace the HDD/SSD cover and refasten the screw.



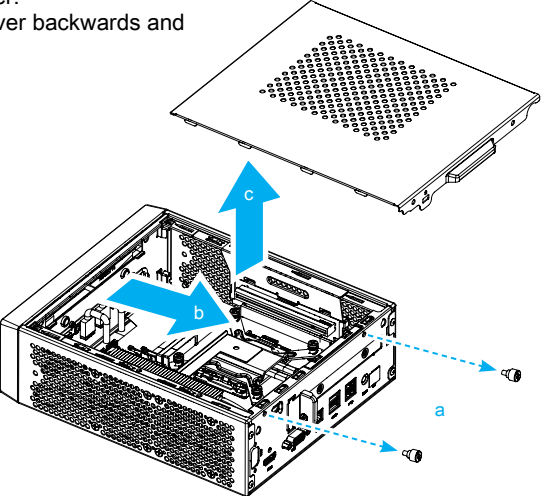
The maximum permitted size for an internal USB device is 11.5 mm x 28 mm x 88 mm.

Internal USB port

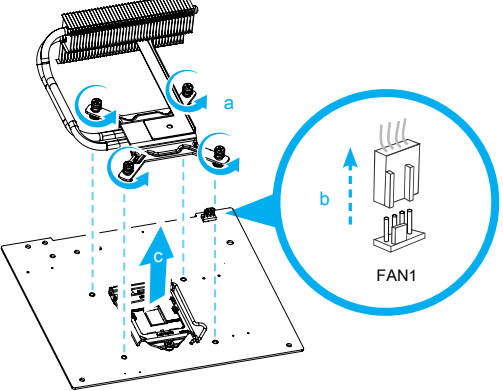
The product's colour and specifications may vary from the actually shipping product.

B. CPU and ICE Module Installation

1. Unscrew the two thumbscrews of the chassis cover. Slide the cover backwards and upwards.

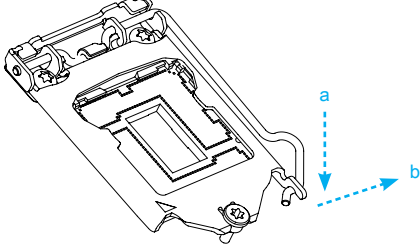


2. Unfasten the four ICE module attachment screws and unplug the fan connector. Remove the ICE module from the chassis and put it aside.

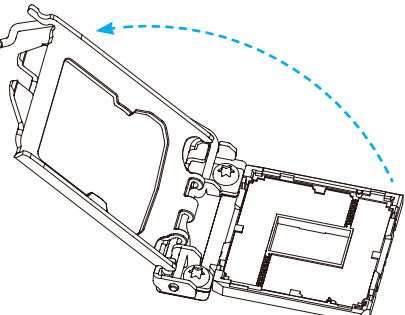


This CPU socket is fragile and can easily be damaged. Always use extreme care when installing a CPU and limit the number of times you remove or change the CPU. Before installing the CPU, make sure to turn off the computer and unplug the power cord from the power outlet to prevent damage of the CPU.

3. Unlock and raise the socket lever.

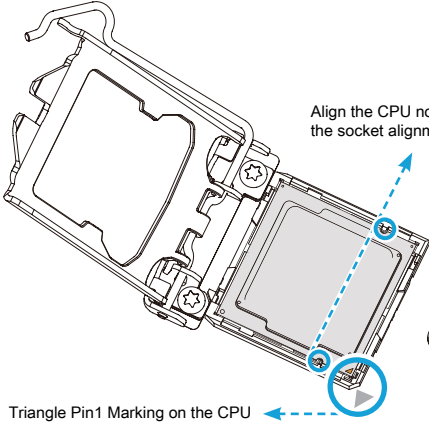


4. Lift the metal load plate off the CPU socket.



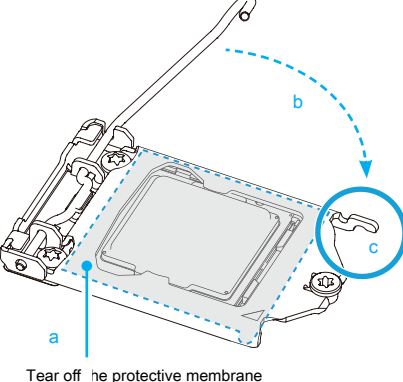
DO NOT touch the socket contacts. To protect the CPU socket, always use the protective socket cover when the CPU is not installed.

5. Please orientate the CPU correctly and align the CPU notches with the socket alignment keys. Make sure the CPU sits perfectly horizontal, then push it gently into the socket.

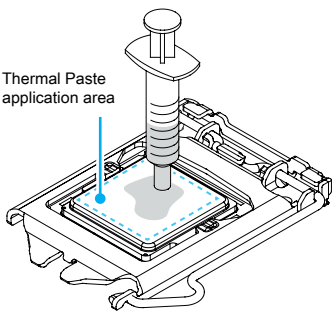


Please be aware of the CPU orientation, DO NOT force the CPU into the socket to avoid bending of pins on the socket and damage of CPU!

6. Tear off the protective membrane from the metal load plate. Close the metal load plate, lower the CPU socket lever and lock in place.

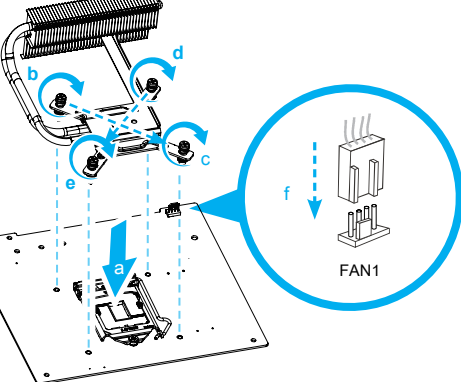


7. Spread thermal paste evenly on the CPU surface.

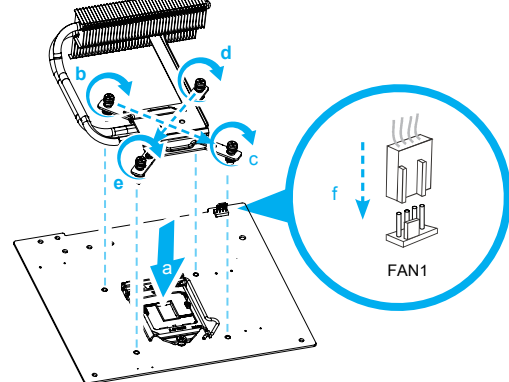


Please do not apply excess amount of thermal paste.

8. Screw the ICE module to the motherboard. Note to press down on the opposite diagonal corner while tightening each screw.



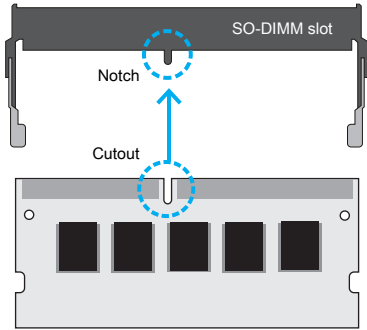
9. Connect the fan.



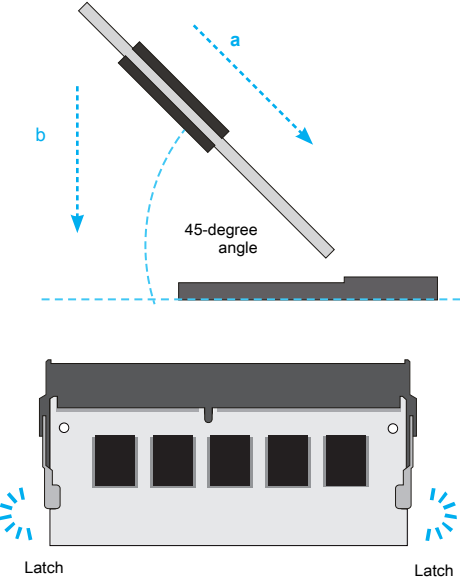
C. Memory Module Installation

D. M.2 Device Installation

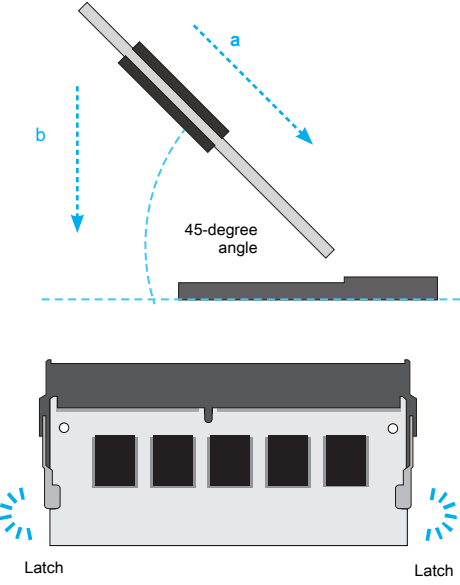
1. Locate the SO-DIMM slots on the motherboard.



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.



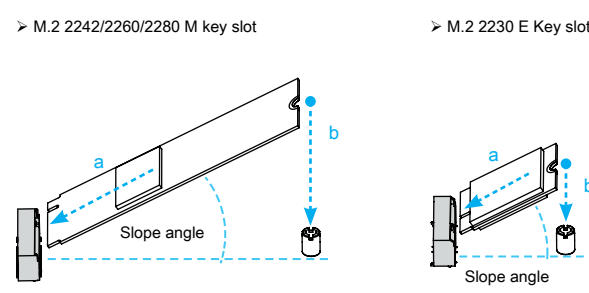
4. Carefully push down the memory module until it snaps into the locking mechanism.



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



1. Locate the M.2 key slots on the motherboard.

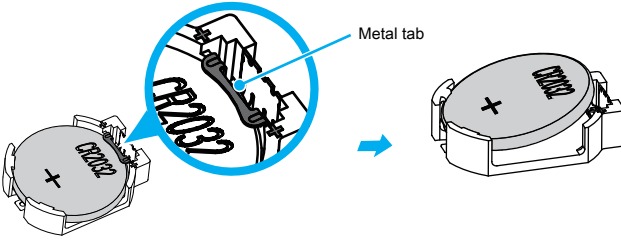


2. Install the M.2 device into the M.2 slot and secure with the screw.



E. How to change the battery

1. Use a flat-blade screwdriver to gently pry the metal tab to disengage the battery from the battery holder.

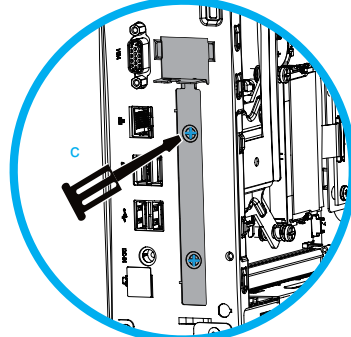


2. Install the new battery, press it on the battery holder keeping the positive side facing top.

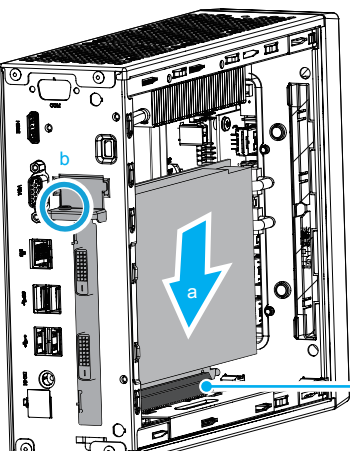


F. Installation of Expansion Card

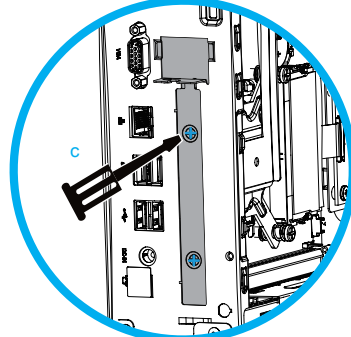
1. Unfasten the expansion slot bracket screw. Remove the back panel bracket and put it aside.

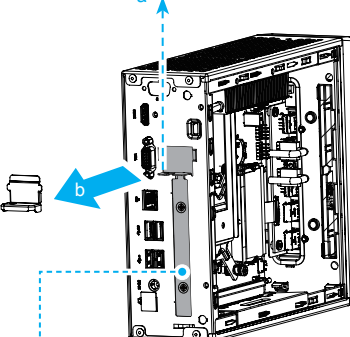


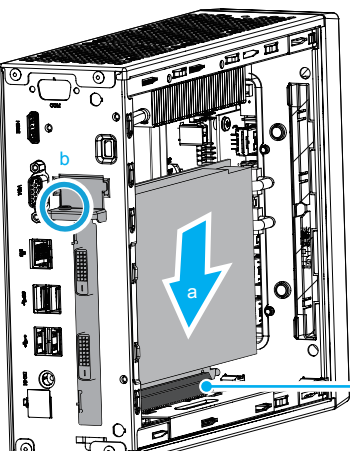
2. Install the PCIe x16 card into the PCIe x16 slot. Secure the bracket.



The maximum permitted size for display cards is 208.5 mm x 120 mm x 30 mm. The display cards must be installed on the riser card, not on the motherboard.



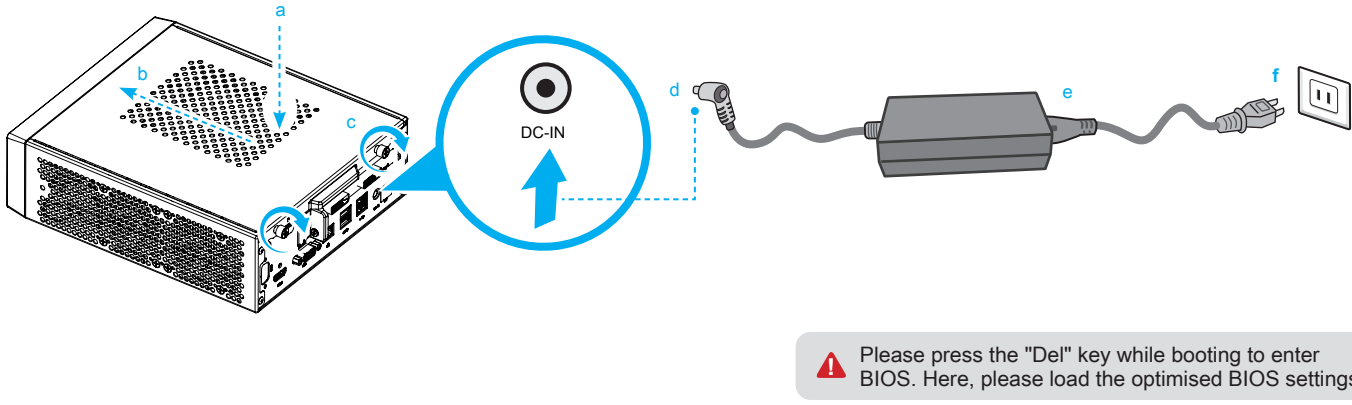




G. Complete

1. Replace the cover and tighten the thumbscrews, then connect the power cord.

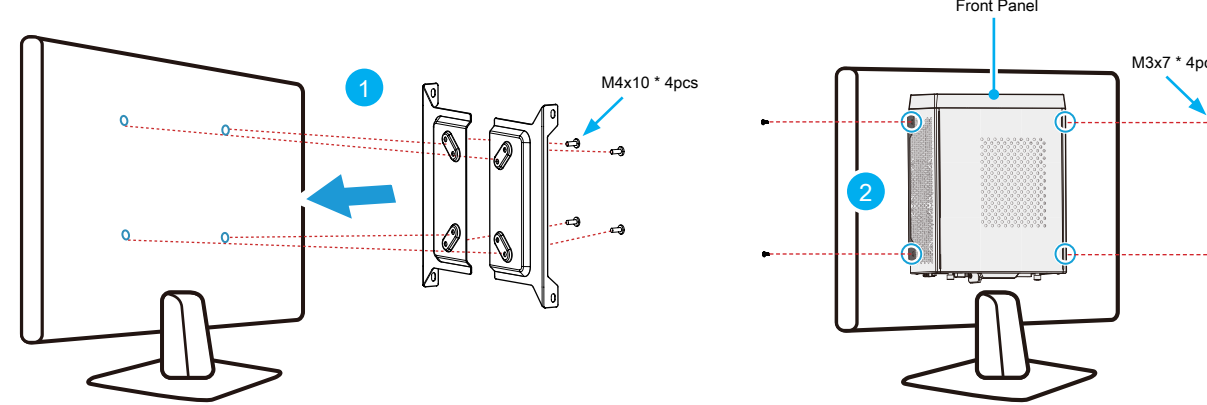
2. Complete.



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

H. Installation of VESA Mount

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



Supports 75x75 mm and 100x100 mm VESA standard.

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 according to the manufacturer's instructions.

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。請依照製造商的使用說明處理廢電池。

Das unkorrekte Austauschen der Batterie kann diesen Computer beschädigen. Ersetzen Sie die Batterie nur durch den von Shuttle empfohlenen Typ oder ein gleichwertiges Modell. Entsorgen Sie gebrauchte Batterien gemäß den Herstellerangaben.

Ne pas remplacer correctement la pile peut endommager l'ordinateur. Remplacez-la uniquement par un modèle identique ou un équivalent comme recommandé par Shuttle. Débarrassez-vous des piles usagées d'après les instructions du constructeur.

La sustitución incorrecta de la batería puede dañar este equipo. Sustituya la batería únicamente por una igual o equivalente recomendada por Shuttle. Deseche las baterías usadas según las instrucciones del fabricante.

バッテリーを間違えてセットすると、このコンピュータが損傷の原因となります。交換する際は、Shuttle が推奨するバッテリーと同じものまたは同等のものだけを使用するようにしてください。使用済みバッテリーは、メーカーの指示に従って処分してください。

Неправильная замена батареи может привести к повреждению компьютера. Батарея должна соответствовать стандарту производителя Shuttle или быть идентичной предыдущей. Утилизация использованной батареи должна следовать инструкции производителя.

更換電池方式錯誤可能會損壞本電腦。僅能依 Shuttle 的建議，以相同或同等的電池更換。請依照製造商的使用說明處理廢電池。

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.

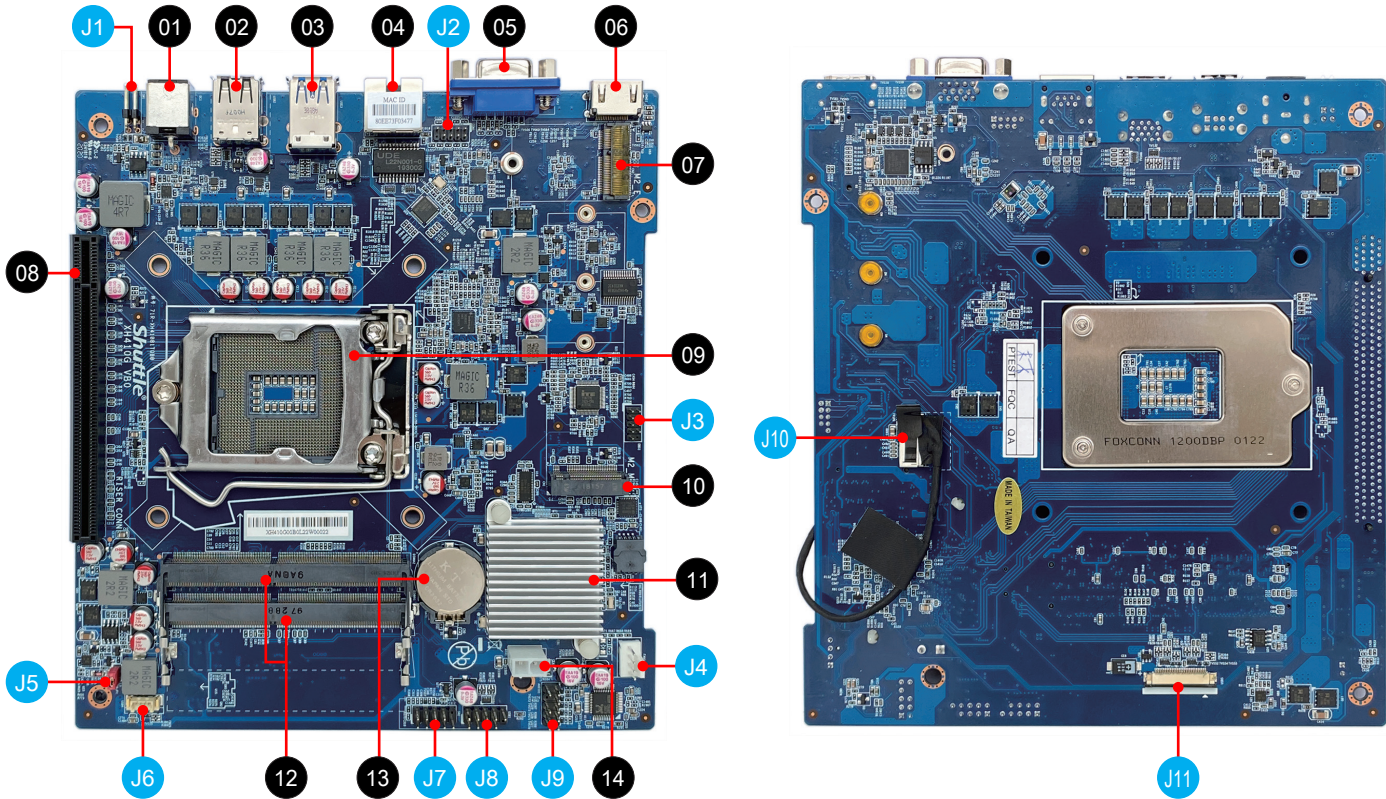
Ce produit répond aux exigences de la conformité UE suivant les directives européennes actuellement en vigueur.

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。

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。

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 Jack (DC IN)
DC 電源連接埠
DC-Stromanschluss
Prise alimentation DC
Conexión de la fuente de alimentación (CC)
DC 電源ポート
Гнездо для подключения питания (DC IN)
电源插孔 (直流电输入)

02. USB 2.0 Ports
USB 2.0 連接埠
USB 2.0 Anschlüsse
Prises USB 2.0
Puertos USB 2.0
USB 2.0 ポート
USB 2.0 порты
USB 2.0 端口

03. USB 3.2 Gen1 Type-A Ports
USB 3.2 Gen1 Type-A 連接埠
USB 3.2 Gen1 Typ-A-Anschlüsse
Prises USB 3.2 Gen1 Type-A
Puertos USB 3.2 Gen1 tipo A
USB 3.2 Gen1 Type-A ポート
USB 3.2 Gen1 Type-A порты
USB 3.2 Gen1 Type-A 端口

04. LAN Ports
網路連接埠
Netzwerk-Anschlüsse
Prises LAN
Puertos LAN
LAN ポート
Сетевые LAN-порты
LAN 端口

05. D-Sub (VGA) port
D-Sub (VGA) 連結埠
D-Sub (VGA)-Anschluss
Prise D-Sub (VGA)
Puerto D-Sub (VGA)
D-Sub (VGA) ポート
D-Sub (VGA) порт
D-Sub (VGA) 连接端口
06. HDMI 2.0 Port
HDMI 2.0 連接埠
HDMI 2.0-Anschluss
Prise HDMI 2.0
Puerto HDMI 2.0
HDMI 2.0 ポート
HDMI 2.0 порт
HDMI 2.0 端口

07. 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

08. PCIe x16 slot
PCIe x16 插槽
PCIe-x16-Steckplatz
Slot PCIe x16
Ranura PCIe x16
PCIe x16 スロット
Слоты PCIe x16
PCIe x16 插槽

09. Processor socket LGA1200
LGA1200 處理器插座
Socket für LGA1200-CPU's
Socket Processeur LGA1200
Zócalo LGA1200 de CPU
プロセッサソケット LGA1200
Разъем процессора LGA1200
LGA1200 处理器插座

10. M.2 2242/2260/2280 M key slot
M.2 2242/2260/2280 M key 插槽
M.2-2242/2260/2280 (M) Steckplatz
Emplacement M.2 2242/2260/2280 M
Ranura M.2 2242/2260/2280 M
M.2 2242/2260/2280 M キースロット
Слот M.2 2242/2260/2280 M ключ
M.2 2242/2260/2280 M key 插槽
11. Intel® H410 Chipset
Intel® H410 晶片組
Intel® H410 Chipsatz
Intel® H410 Chipset
Intel® H410 Conjunto de chips
Intel® H410 チップセット
Набор микросхем Intel® H410
Intel® H410 芯片组

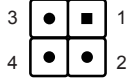
12. DDR4 SO-DIMM slots
DDR4 SO-DIMM 插槽
DDR4 SO-DIMM Steckplätze
Slot mémoire SO-DIMM DDR4
zócalo de DDR4 SO-DIMM
DDR4 SO-DIMM スロット
Слот памяти DDR4 SO-DIMM
DDR4 SO-DIMM 插槽

13. CMOS battery holder
CMOS 電池座
CMOS Batterie-Halterung
Support de batterie CMOS
Soporte de pila de CMOS
CMOS/バッテリーホルダー
Держатель батареи CMOS
CMOS 电池槽

14. 5V Power Supply connector
5V 電源供應連接埠
5 Volt Netzteilianschluss
Connecteur d'alimentation 5 volts
Conexión de la alimentación de 5 voltios
5V 電源コネクタ
Разъем питания 5 В
5V 电源供应端口

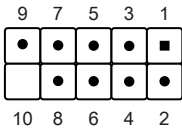
- J1** Clear CMOS & power button & +5V
清除 CMOS & 電源按鈕 & +5V
Clear CMOS & Power Button & +5V
Reset CMOS & Bouton d'alimentation & +5V
Clear CMOS & Botón de encendido & +5V
CMOSクリア & 電源スイッチ & +5V
Сброс CMOS, внешняя кнопка питания, +5 В
清除 CMOS & 電源按鈕 & +5V

SW1			
Pin	Signal Name	Pin	Signal Name
1	RTCRST-	2	+5V
3	GND	4	PWRSW-



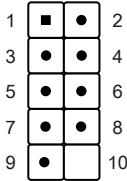
- J2** COM Port
COM 插座
COM-Ausgang
Port COM
Puerto COM
COM ヘッド
COM-порты
COM 接头

COM1			
Pin	Signal Name	Pin	Signal Name
1	DCD	2	RX
3	TX	4	DTR
5	GND	6	DSR
7	RTS	8	CTS
9	RI	10	NULL



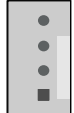
- J3** Debug header
Debug 插座
Debug-Anschluss
Connecteur Debug
Conexión Debug
デバッグヘッダ
Отладочный разъем
Debug 接头

DBG1			
Pin	Signal Name	Pin	Signal Name
1	LPC_33M	2	LAD1
3	SIORST-	4	LAD0
5	LFRAME-	6	+3.3V
7	LAD3	8	GND
9	LAD2	10	NULL



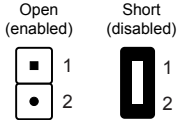
- J4** Fan connector \ 風扇連接埠
Lüfteranschluss \ Connecteur ventilateur
Conector del ventilador \ FAN コネクタ
Разъем вентилятора \ 风扇插座

FAN1	
Pin	Signal Name
1	GND
2	+12V
3	SPEED_SENSE
4	PWM_CTRL



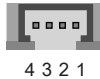
- J5** AC auto power-on
回電自動開啟電源
Automatisches Einschalten bei Spannungsversorgung
Démarrage automatique à la mise sous tension
Encendido automático con suministro de corriente
AC自動電源オン
Восстановление AC Авто включение
回电自动开启电源

JP1	
Pin	Signal Name
1	AMP+
2	GND



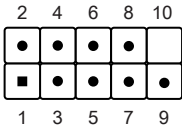
- J6** USB 2.0 cable connector \ USB 2.0 排線插座
Anschluss für USB 2.0-Kabel \ Connecteur câble USB 2.0
Conexión para cable USB 2.0 \ USB 2.0ケーブルコネクタ
Разъем USB 2.0-кабеля \ USB 2.0 扁平电缆插座

USB4	
Pin	Signal Name
1	GND
2	USB_D+
3	USB_D-
4	USB_5V



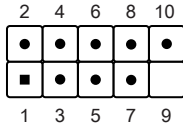
- J7** Power header
電源插座
Power-Anschluss
Connecteur power
Base de conexiones Power
Power コネクタ
Разъем питания
电源接头

SW2			
Pin	Signal Name	Pin	Signal Name
1	HDLEDPWR	2	SYSLEDPWR
3	SATA_LED	4	GND
5	RST_SW	6	PWR_SW
7	GND	8	GND
9	NC	10	NULL



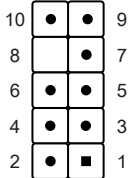
- J8** USB connector \ USB 插座
USB-Anschluss \ Connecteur USB
Conector del USB \ USB コネクタ
USB разъем \ USB 接头

USB1			
Pin	Signal Name	Pin	Signal Name
1	USB_PWR	2	USB_PWR
3	USB3-	4	USB4-
5	USB3+	6	USB4+
7	GND	8	GND
9	NULL	10	GND



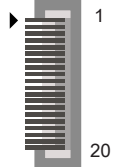
- J9** Front audio header
前面板音效插座
Frontansicht des Audio-Headers
Vue de face du connecteur audio
Vista frontal de la hilera de pines de audio
前面オーディオヘッダ
Передний Аудио разъем
前面板音效插座

AUDIO1			
Pin	Signal Name	Pin	Signal Name
1	MIC_L	2	GND
3	MIC_R	4	AUDIO_JD
5	HP_R	6	MIC_JD
7	SENSE	8	NULL
9	HP_L	10	HP_JD



- J10** 2.5" SATA cable connector
2.5" SATA 排線連接器
SATA-Anschluss für 2.5"-Laufwerke
Connecteur SATA pour disques 2.5
Puerto SATA para unidades de disco de 2.5"
2.5" SATAケーブルコネクタ
2,5-дюймовый разъем SATA
2.5" SATA 排线连接器

SATA1			
Pin	Signal Name	Pin	Signal Name
1	NC	11	+5V
2	NC	12	GND
3	NC	13	GND
4	NC	14	GND
5	GND	15	SATA_TX+
6	GND	16	SATA_TX-
7	GND	17	GND
8	+5V	18	SATA_RX-
9	+5V	19	SATA_RX+
10	+5V	20	GND



- J11** Front USB 3.0 header
前置 USB 3.0 插座
USB-3.0-Anschluss (für vorne)
Port USB 3.0 (façade)
Conexión delantera USB 3.0
フロントUSB3.0用ピンヘッダ
Разъем USB 3.0 порта (передняя панель)
前置 USB 3.0 插座

USB5					
Pin	Signal Name	Pin	Signal Name	Pin	Signal Name
1	GND	11	U3_RXP	21	U3_TX0P
2	GND	12	U3_RXN	22	U3_TX0N
3	USB2_P	13	5V_USB	23	GND
4	USB2_N	14	5V_USB	24	GND
5	GND	15	5V_USB	25	U3_RX0P
6	GND	16	5V_USB	26	U3_RX0N
7	U3_TXP	17	USB1_P	27	5V_USB
8	U3_TXN	18	USB1_N	28	5V_USB
9	GND	19	GND	29	5V_USB
10	GND	20	GND	30	5V_USB

