

MARS

Beyond Thin. Power Within.

User Manual

Safety Information

Your system is designed and tested to meet the latest standards of safety for information technology equipment. However, to ensure your safety, it is important that you read the following safety instructions.

Setting up your system

- Read and follow all instructions in the documentation before you operate your system.
- Do not use this product near water or a heated source such as a radiator. Set up the system on a stable surface.
- Openings on the chassis are for ventilation. Do not block or cover these openings. Make sure you leave plenty of space around the system for ventilation. Never insert objects of any kind into the ventilation openings.
- Use this product in environments with ambient temperatures between 0°C and 35°C.
- If you use an extension cord, make sure that the total ampere rating of the devices plugged into the extension cord does not exceed its ampere rating.

Care during use

- Do not walk on the power cord or allow anything to rest on it.
- Do not spill water or any other liquids on your system.
- When the system is turned OFF, a small amount of electrical current still flow. Always unplug all power, modem, and network cables from the power outlets before cleaning the system.
- IF you encounter the following technical problems with the product, unplug the power cord and contact a qualified service technician or your retailer:
  - The power cord or plug is damaged.
  - Liquid has been spilled into the system.
  - The system does not function properly even if you follow the operating instructions.
  - The system was dropped or the cabinet is damaged.
  - The system performance changes.

No disassembly

IMPORTANT: The warranty does not apply to products that have been disassembly by users.

Battery replacement and disposal

WARNING: Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to local regulations.

Product disposal notice



IMPORTANT: This symbol of the crossed out wheeled bin indicates that the product (electrical, electronic equipment, and mercury- containing button cell battery) should not be placed in municipal waste. Check local regulations for disposal of electronic products.

CE Mark Warning

This is a Class B product, in a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

FCC Compliance Statement

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 equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Button Battery Safety Notice

⚠WARNING

- **INGESTION HAZARD:** This product contains a button cell or coin battery.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**.
- **KEEP** new and used batteries **OUT OF REACH of CHILDREN**
- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.



- 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.
- Battery type: CR2032
- Battery voltage: 3V
- 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.
- This product contains an irreplaceable battery.
- This icon indicates that a swallowed button battery can cause serious injury or death. Please keep batteries out of sight or reach of children.

UKCA Conformity

This device is in compliance with the essential requirements and other relevant provisions of related UKCA Directives.

CE Conformity

This device is in compliance with the essential requirements and other relevant provisions of related Directives.

CALIFORNIA, USA ONLY

The Lithium battery adopted on this motherboard contains Perchlorate, a toxic substance controlled in Perchlorate Best Management Practices (BMP) regulations passed by the California Legislature. When you discard the Lithium battery in California, USA, please follow the related regulations in advance.

"Perchlorate Material-special handling may apply, see www.dtsc.ca.gov/hazardouswaste/perchlorate"

AUSTRALIA ONLY

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage caused by our goods. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

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Licensee's specific rights may vary from country to country.

Product Specifications/ Especificaciones del producto/ 製品仕様 / Технические характеристики/ 产品规范

CPU/ CPU/ CPU/ ЦП/ CPU	Intel® Quad-Core Processor Twin Lake-N
GPU/ GPU/ GPU/ Видеоадаптер/ GPU	Integrated Intel® UHD Graphics
M/B Form Factory/ Factor de forma de la placa base/ M/B フォームファクトリー / Форм-фактор материнской платы/ M/B 规格尺寸	Proprietary design (7.0" x 5.7") Diseño exclusivo (7.0" x 5.7") 専用設計 (7.0 インチ x 5.7 インチ) Фирменная конструкция (17,8x14,5 см; 7,0 x 5,7 дюйма) 专利设计 (7.0" x 5.7")
Memory/ Memoria/ メモリ / Память/ 内存	1 x SO-DIMM DDR5-4800 Max. 16GB (non-ECC)
M.2 slot/ Ranura M.2/ M.2 スロット / Слот M.2/ M.2 插槽	Supports 1 x M.2 SSD slots (Support PCIe 3.0x4 type 2260/ 2280 M.2 SSD) Compatible con 1 x ranura M.2 SSD (Compatible con 2260/ 2280 M.2 SSD tipo PCIe 3.0x4) 1 x M.2 SSD スロットに対応 (PCIe 3.0x4 タイプ 2260/ 2280 M.2 SSD に対応) Предусмотрен 1 слот M.2 SSD (поддерживаются SSD-накопители M.2 PCIe 3.0x4типа 2260/ 2280) 支持 1 x M.2 SSD 插槽 （支持 PCIe 3.0x4 类型 2260/ 2280 M.2 SSD）
WLAN/ WLAN/ WLAN/ Беспроводная сеть/ WLAN	Supports M.2 (2230) Intel® CNVio/CNVio2 (Integrated WiFi/BT) Compatible con M.2 (2230) Intel® CNVio/ CNVio2 (WiFi/Bluetooth integrados) Поддерживает M.2 (2230) Intel® CNVio/ CNVio2 (встроенный Wi-Fi/Bluetooth) 支持 M.2 (2230) Intel® CNVio/CNVio2

Audio codec/ Códec de audio/ オーディオコーデック / Аудиокодек/ 音频编解码器	ALC269 codec/ Códec ALC269/ ALC269 コーデック / ALC269/ ALC269 编解码器
Power Adaptor/ Adaptador de alimentación/ 電源アダプタ / Блок питания/ 电源适配器	65W/ 19V 65W/ 19V 65W/ 19V 65 Вт/ 19 В 65W/ 19V
Front I/O / E/S en el frontal/ 前面出入力 / Фронтальные порты ввода-вывода/ 前 I/O	Card Reader (SD/SDHC/SDXC/MMC)*1 / USB 2.0*2/ USB 3.2 Gen1 Type-A*2/ USB 3.2 Gen2 Type-C*1 Lector de tarjeta (SD/SDHC/SDXC/MMC)*1 / USB 2.0*2/ USB 3.2 Gen1 Tipo-A*2/ USB 3.2 Gen2 Tipo-C*1 カードリーダー (SD/SDHC/SDXC/MMC)*1 / USB 2.0*2/ USB 3.2 Gen1 Type-A*2/ USB 3.2 Gen2 Type-C*1 1 кардридер (SD/SDHC/SDXC/MMC); 1 порт USB 2.0*2; 2 порта USB 3.2 Gen1 Type-A; 1 порта USB 3.2 Gen2 Type-C* 读卡器 (SD/SDHC/SDXC/MMC)*1/ USB 2.0*2 / USB 3.2 Gen2 A 型 *1/ USB 3.2 Gen2 C 型 *1
Rear I/O/ E/S en posterior/ リア I/O/ Тыловые порты ввода-вывода/ 后 I/O	HDMI*1 (4K@60 Hz)/ VGA*1/ USB Type-C/ USB 3.2 Gen2 Type-A*2/ LAN*1/ DC Jack/ Headphone/Headset Jack HDMI*1 (4K@60 Hz)/ VGA*1/ USB Tipo C/ USB 3.2 Gen2 Tipo-A*2/ LAN*1/ Conector CC/ Conector para auriculares y auriculares con micrófono HDMI*1 (4K@60 Hz)/ VGA*1/ USB Type C / USB 3.2 Gen2 Type-A*2/ LAN*1/ DC ジャック / ヘッドフォン / ヘッドセットジャック 1 порт HDMI (4K@60 Hz); 1 порт VGA; USB Type C /2 порта USB 3.2 Gen2 Type-A; 1 порт ЛВС; вход питания пост. тока; Гнездо для наушников или гарнитуры HDMI*1（4K@60 Hz）/ VGA*1/ USB C 型 / USB 3.2 Gen2 A 型 *2/ LAN*1/ DC 插孔 / 耳机插孔 / 耳机 / 头戴式耳机插孔

LED Indicator/ Indicador LED/ LED インジケータ / Светодиодный индикатора/ LED 指示灯	Power LED (Color: blue) LED de energía (Color: azul) 電源 LED (色 : 青) Индикатор питания (синего цвета) 电源 LED（颜色：蓝）
VESA mount/ Montaje VESA/ VESA マウント / Крепление VESA/ VESA 底座	Supports VESA standard 100x100mm & 75x75mm Compatible con VESA estándar 100 x 100 mm y 75 x 75 mm VESA 規格 100x100mm および 75x75mm に対応 Совместимо с кронштейнами стандарта VESA 100x100 мм и 75x75 мм 支持 VESA 标准 100x100mm & 75x75mm
Kensington lock/ Cable de seguridad Kensington/ Kensington ロック / Противокражный замок Kensington/ Kensington 锁	Reserved at the rear cover Reservado en la cubierta posterior 背面カバーに予約済 На задней панели 预留在后盖上
Stand/ Soporte/ スタンド / Подставка/ 支架	128.7x72.2x24.3mm 128,7 x 72,2 x 24,3 mm 128.7x72.2x24.3mm 128,7 x 72,2 x 24,3 мм 128.7x72.2x24.3mm
Dimension/ Dimensiones/ 寸法 / Габариты/ 尺寸	194mm (L)*150mm (W) *26mm (H) 194 mm (Largo) * 150 mm (Ancho) * 26 mm (alto) 194mm (長さ) x 150mm (幅) x 26mm (高さ) 194 (Д) x 150 (Ш) x 26 (В) мм 194mm (L)*150mm (W) *26mm (H)

OS/ SO/ OS/ Операционные системы/ 操作系统	Windows® 10 64-bit / 11 64-bit Windows® 10 64 bit / 11 64 bit Windows® 10 64 ビット / 11 64 ビット Windows® 10 64-разрядная/ 11 64-разрядная Windows® 10 64 位 / 11 64 位
Safety/EMC Certification/ Certificado Seguridad/EMC/ 安全 /EMC 認定 / Сертификаты безопасности и электромагнитной совместимости/ 安全 /EMC 认证	FCC, CE ErP/EuP ready (ErP/EuP ready power supply is required) FCC y CE Preparado para ErP/EuP (se necesita una fuente de alimentación preparada para ErP/EuP) FCC、CE ErP/EuP Ready（ErP/EuP 対応電源供給装置が必要です） FCC, CE Совместимость с ErP/EuP (необходим блок питания, соответствующий стандарту ErP/EuP) FCC、CE ErP/EuP 支持（需要支持 ErP/EuP 的电源）

System Front View/ Vista frontal del sistema/ システム前面図 / Вид системы спереди/ 系统正视图

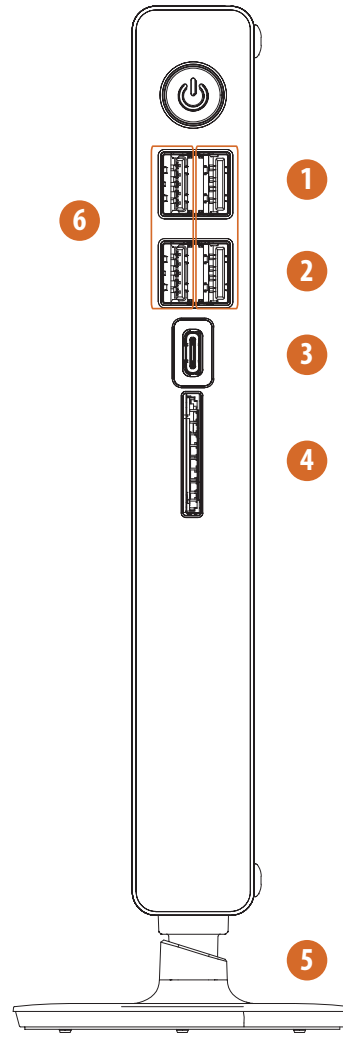
No.	Feature Item
1	USB 2.0 Port
2	USB 2.0 Port (USB Keyboard Wake-up function supported)
3	USB 3.2 Gen2 Type-C Port
4	Card Reader
5	Base stand screw
6	USB 3.2 Gen1 Type-A Ports

Nº	Producto característico
1	Puerto USB 2.0
2	Puerto USB 2.0 (Se admite la función de activación del teclado USB)
3	Puerto USB 3.2 Gen2 Tipo C
4	Lector de tarjeta
5	Tornillo de base del soporte
6	Puertos USB 3.2 Gen1 Tipo A

番号	機能 /項目
1	USB 2.0 ポート
2	USB 2.0 ポート (USB キーボードウェイクアップ機能対応)
3	USB 3.2 Gen2 Type-C ポート
4	カードリーダー
5	ベーススタンド用ネジ
6	USB 3.2 Gen1 Type-A ポート

№	Компоненты
1	Порты USB 2.0
2	Порты USB 2.0 (Поддерживается функция пробуждения от USB-клавиатуры)
3	Порты USB 3.2 Gen2 Type-C
4	Кардридер
5	Винт подставки
6	Порты USB 3.2 Gen1 Type-A

编号	功能项
1	USB 2.0 端口
2	USB 2.0 端口 （支持 USB 键盘唤醒功能）
3	USB 3.2 Gen2 C 型端口
4	读卡器
5	底座支架螺丝
6	USB 3.2 Gen1 A 型端口

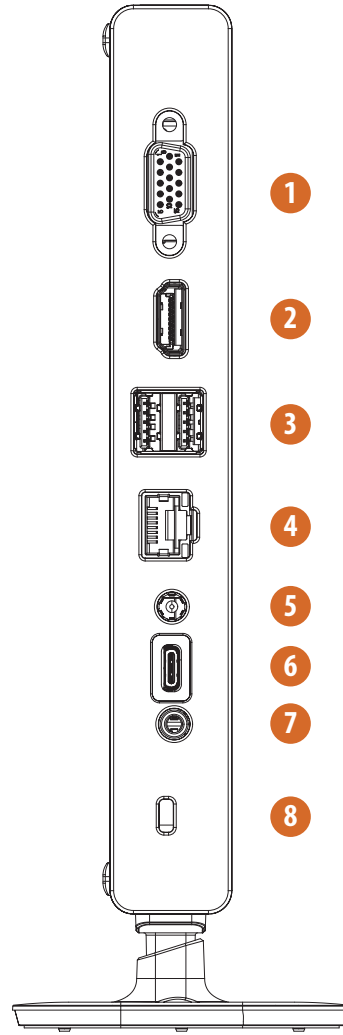


System Rear View/ Vista trasera el sistema/ システム背面図 / Вид системы сзади/ 系统后视图

No.	Feature Item
1	D-Sub Output
2	HDMI Output
3	USB 3.2 Gen2 Ports
4	LAN Port
5	DC IN
6	USB Type-C Port *Supports USB Type-C Alt Mode (only supports 20V PD in & DP out)
7	Headphone/Headset Jack
8	Kensington lock

Nº	Producto característico
1	Salida D-Sub
2	Salida HDMI
3	Puertos USB 3.2 Gen2
4	Puerto LAN
5	Entrada DC
6	Puerto USB Tipo-C *Compatible con el modo alternativo USB Tipo-C (solo admite entrada PD de 20 V y salida DP)
7	Conector para auriculares y auriculares con micrófono

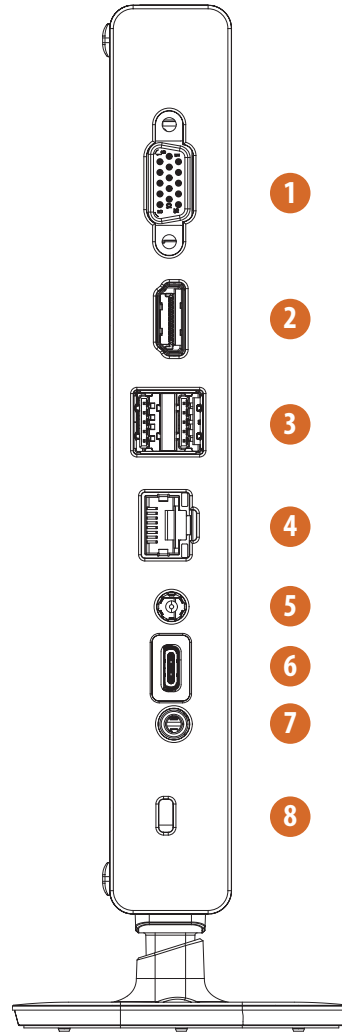
番号	機能 /項目
1	D-Sub 出力
2	HDMI 出力
3	USB 3.2 Gen2 ポート
4	LAN ポート
5	DC 入力
6	USB Type-C ポート *USB Type-C Alt Mode に対応（20V PD 入力および DP 出力のみ対応）
7	ヘッドフォン / ヘッドセットジャック
8	Kensington ロック



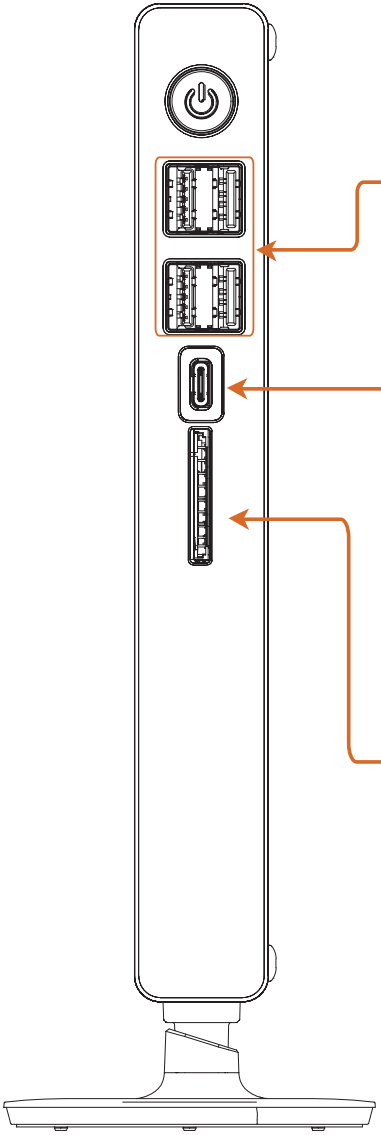
System Rear View/ Vista trasera el sistema/ システム背面図 / Вид системы сзади/ 系统后视图

№	Компоненты
1	Выход D-Sub
2	Выход HDMI
3	Порты USB 3.2 Gen2
4	Порт LAN
5	Вход питания постоянного тока
6	Порт USB Type-C *Поддерживает режим USB Type-C Alt Mode (поддерживает только вход 20 В PD и выход DP)
7	Гнездо для наушников или гарнитуры
8	Противокражный замок Kensington

编号	功能项
1	D-Sub 输出
2	HDMI 输出
3	USB 3.2 Gen2 端口
4	LAN 端口
5	DC IN
6	USB Type-C 端口 * 支持 USB Type-C Alt 模式（仅支持 20V PD 输入和 DP 输出）
7	耳机 / 头戴式耳机插孔
8	Kensington 锁



Connection Examples (Front)/ Ejemplos de conexión (Frontal)/ 接続例 (前面)/ Примеры подключений (фронтальные порты)/ 连接示例（前）

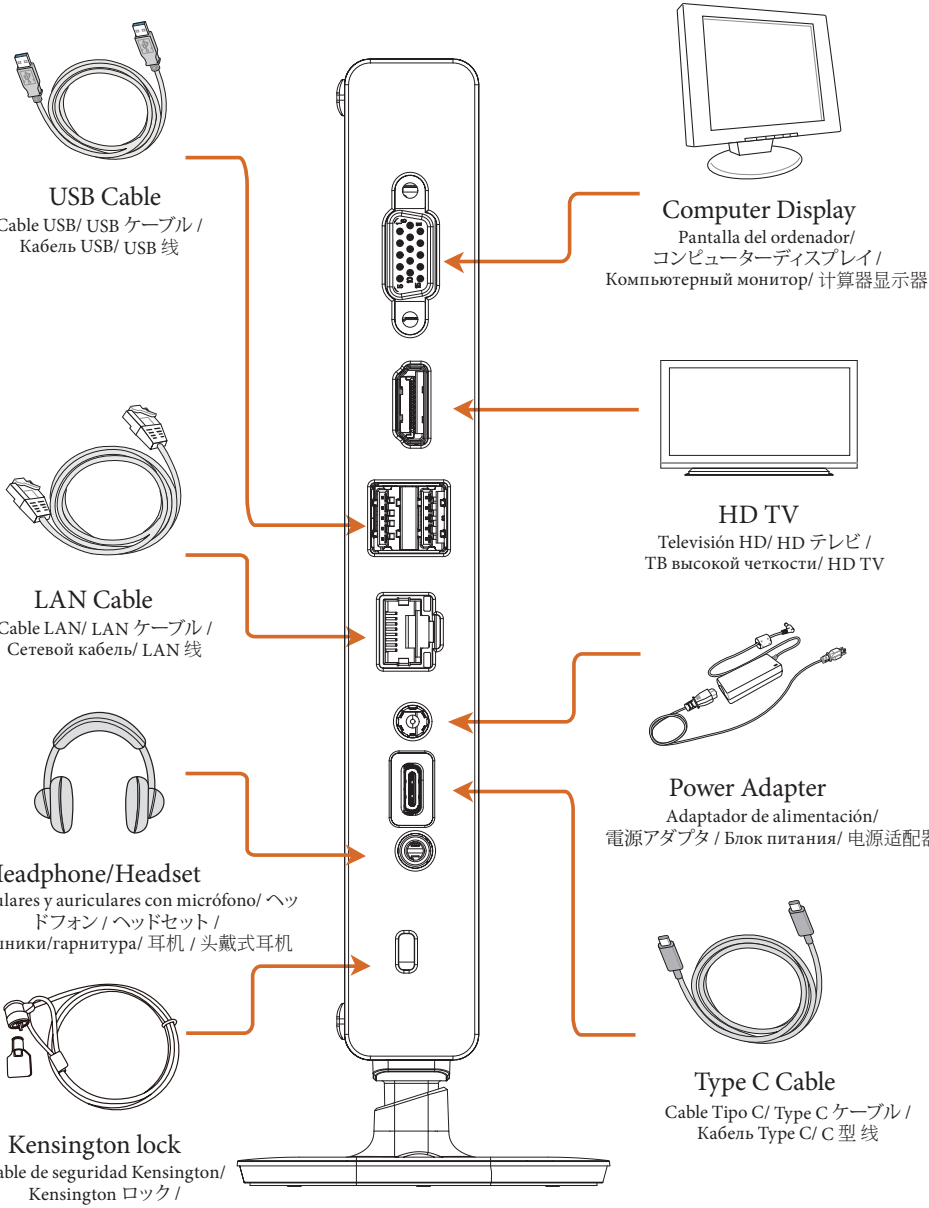


USB Cable
Cable USB/ USB ケーブル /
Кабель USB/ USB 线

Type C Cable
Cable Tipo C/ Type C ケーブル /
Кабель Type C/ C 型 线

SD Cards
Tarjetas SD/ SD カード /
Карты SD/ SD 卡

Connection Examples (Rear)/ Ejemplos de conexión (Traseros)/ 接続例 (背面)/ Примеры подключений (тыловые порты)/ 连接示例（后）



Vesa Mount/Stand Installation/ Montaje VESA/Instalación de soporte/ Vesa マウント / スタンドの取り付け / Установка кронштейна VESA и подставки/ Vesa 底座 / 支架安装

Installing the VESA Bracket

Attach the VESA Bracket to the rear of a compatible display using the four screws.
*Choose mounting holes depending on the mounting hole pattern of your LCD screen (75 mm × 75 mm or 100 mm × 100 mm).

Instalar el soporte VESA

Conecte el soporte VESA a la parte trasera de una pantalla compatible utilizando los 4 tornillos.
*Escoja los orificios de montaje dependiendo del patrón de orificio de montaje de su pantalla LCD (75 mm x 75 mm o 100 mm x 100mm).

VESA ブラケットの取り付け

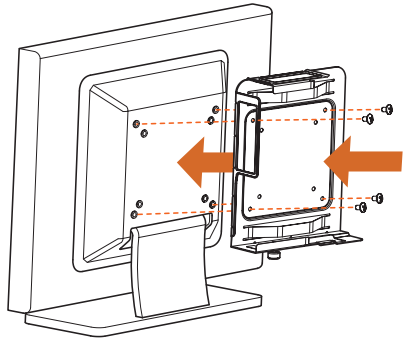
4 本のネジを使用して、互換性のあるディスプレイの背面に VESA ブラケットを取り付けます。
* LCD 画面の取り付け穴パターン (75 mm × 75 mm または 100 mm × 100 mm) に応じて、取り付け穴を選択します。

Установка кронштейна VESA

Прикрепите кронштейн VESA на заднюю панель совместимого монитора с помощью 4-х винтов.
* Выберите крепежные отверстия, соответствующие отверстиям на ЖК-мониторе (75 × 75 мм или 100 × 100 мм).

安装 VESA 托架

使用四枚螺丝将 VESA 托架连接到兼容显示器的后侧。
* 根据 LCD 显示屏的安装孔图纸选择安装孔 (75 mm × 75 mm or 100 mm × 100 mm)。



Installing the Base Stand

Attach the base stand to the unit, then hand tighten the screw.

Instalar la base del soporte

Conecte la base del soporte a la unidad, y a continuación, apriete los tornillos.

ベーススタンドの取り付け

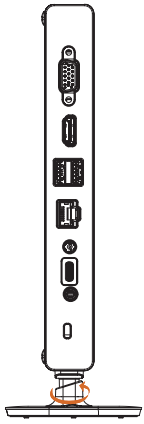
ベーススタンドをユニットに取り付け、ネジを手で締めます。

Установка подставки

Прикрепите подставку к компьютеру и вручную затяните винт.

安装底座支架

将底座支架连接到装置上，然后用螺丝拧紧。



Key Parts Installation
Partes clave de la instalación/ 主要部品の取り付け / Установка основных компонентов/ 主要零部件安装

Removing the Top Case

Remove the four screws first.

Sacar la carcasa superior

Primero quite los cuatro tornillos.

トップカバーの取り外し

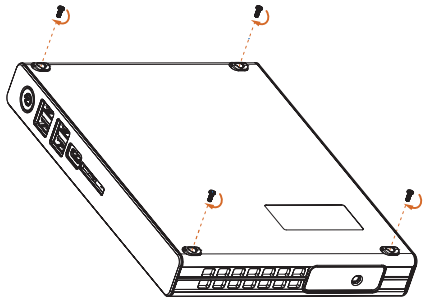
最初に、ネジを取り外します。

Снятие верхней крышки корпуса

Сначала удалите 4 винта.

拆除顶部机箱

先拧下四枚螺丝。



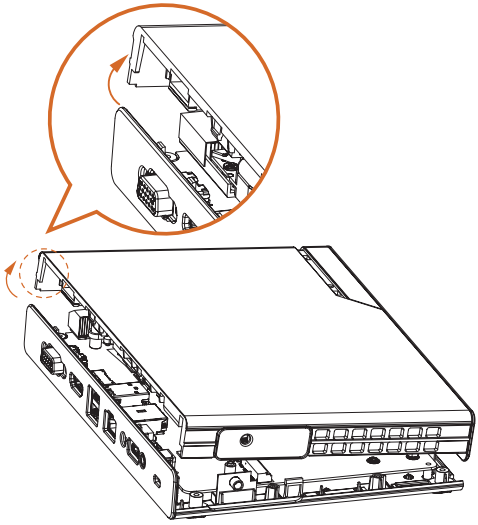
To remove the top case, place your fingers in the edge as shown in the image below.
Then, lift the cover.

Para quitar la carcasa superior, coloque los dedos en el borde como se muestra en la imagen de abajo.
A continuación, levanta la carcasa.

トップケースを取り外すために、下図に示すように、縁に指を入れてください。
次に、カバーを持ち上げます。

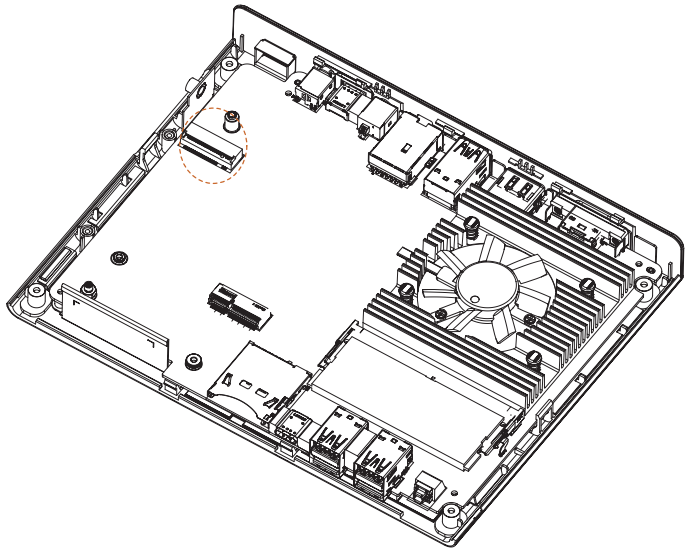
Чтобы снять верхнюю крышку корпуса, возьмитесь за его край, как показано на рисунке ниже.
Затем поднимите крышку.

要拆除顶部机箱，请将手指放置在下图所示的边缘处。
然后抬起盖板。

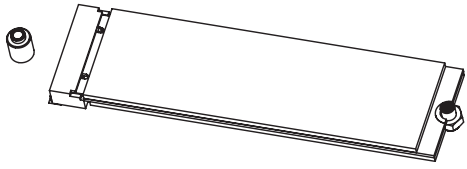


Installing the M.2 SSD/ Instalar el SSD M.2/ M.2 SSD の取り付け / Установка SSD-накопителя M.2/ 安装 M.2 SSD

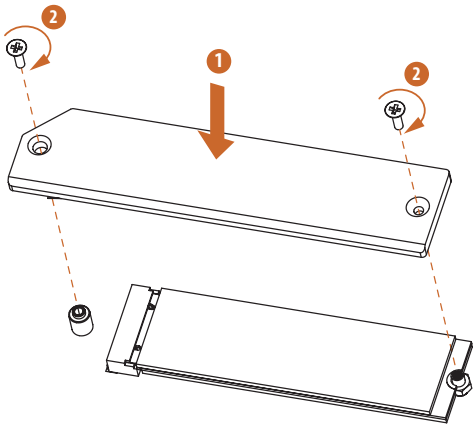
1. Locate the M.2 Slot on the motherboard
1. Localice la ranura M.2 en la placa base
1. マザーボードの M.2 スロットを探します。
1. Найдите слот M.2 материнской платы.
1. 找到主板的 M.2 插槽。



2. Carefully insert the M.2 SSD into the slot.
2. Con cuidado, inserte la SDD M.2 en la ranura.
2. M.2 SSD を慎重にスロットに挿入します。
2. Осторожно вставьте SSD-накопитель M.2 в слот.
2. 小心地将 M.2 SSD 插入插槽中。

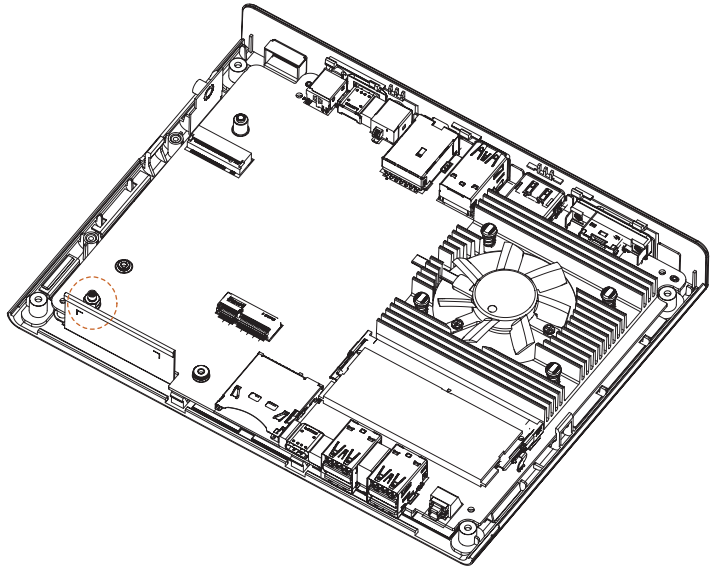


3. Prepare the M.2 heatsink and screw that comes with the package. Before securing the M.2 heatsink, make sure to align the notch on the SSD to the standoff on the motherboard. Then tighten the screw with a screwdriver to secure the M.2 heatsink into place.
   *Please do not overtighten the screw as this might damage the module and M.2 heatsink.
3. Prepare el disipador térmico M.2 y los tornillos incluidos en el paquete. Antes de asegurar el disipador térmico M.2, asegúrese de alinear la muesca de la unidad de disco duro con el separador de la placa base. A continuación, apriete los tornillos con un destornillador para asegurar el disipador térmico M.2 en su lugar.
   *No apriete demasiado el tornillo, ya que podría dañar el módulo y el disipador térmico M.2.
3. パッケージに付属の M.2 ヒートシンクとネジを準備します。M.2 ヒートシンクを固定する前に、SSD のノッチをマザーボードのスタンドオフに合わせてください。次に、ドライバーでネジを締めて、M.2 ヒートシンクを所定の位置に固定します。
   * しかし、きつく締めすぎるとモジュールおよび M.2 ヒートシンクが破損する恐れがあるのでご注意ください。
3. Подготовьте радиатор M.2 и винты, входящие в комплект поставки. Перед закреплением радиатора M.2 убедитесь, что выемка на SSD-накопителе совмещена с опорной стойкой на материнской плате. Затем затяните винты отверткой, чтобы зафиксировать радиатор M.2.
   * Не перетягивайте винты, т. к. это может привести к повреждению модуля и радиатора M.2.
3. 准备包装随附的 M.2 散热器和螺丝。固定 M.2 散热器之前，务必将 SSD 上的凹槽对准主板上的螺母柱。然后，用螺丝刀拧紧螺丝，将 M.2 散热器固定到位。
   * 请勿过分拧紧螺丝，否则可能会损坏模块和 M.2 散热器。

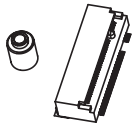


If yo are not using the M.2 heatsink, follow the steps below to install your M.2 SSD.
Si no utiliza el disipador térmico M.2, siga los pasos que se indican a continuación para *instalar la unidad de estado sólido SSD M.2.*
M.2 ヒートシンクを使用していない場合は、以下の手順に従って M.2 SSD をインストールしてください。
Если вы не используете радиатор M.2, выполните указанные ниже действия для установки SSD-накопителя M.2.
如果不使用 M.2 散热器，请按照以下步骤安装 M.2 SSD。

1. Remove the pre-installed standoff and keep them for later use.
1. Retire los separadores preinstalados y guárdelos para usarlos más adelante.
1. 事前に取り付けられているスタンドオフを取り外し、後で使用できるように保管しておきます。
1. Снимите предварительно установленные опорные стойки и сохраните их для последующего использования.
1. 拆下预装螺母柱并妥善保管，稍后使用。

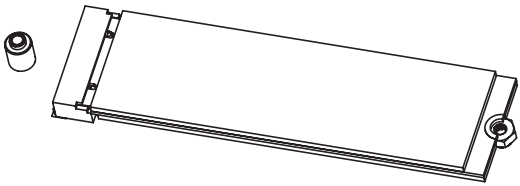


2. Prepare the M.2 standoff that comes with the package, and hand tighten it into the nut.
2. Prepare los separadores M.2 incluidos con el paquete y apriételos a mano en la tuerca.
2. パッケージに付属の M.2 スタンドオフを準備し、ナットに手で締めます。
2. Подготовьте опорные стойки M.2, входящие в комплект поставки, и вручную затяните их с помощью гайки.
2. 准备包装随附的 M.2 螺母柱，用手将其拧入螺钉中。





3. Carefully insert the M.2 SSD into the slot. Then tighten the screw that comes with the package to secure the M.2 SSD to the motherboard.
   *Please do not overtighten the screw as this might damage the module and M.2 heatsink.
3. Inserte con cuidad la unidad de estado sólido M.2 en la ranura. A continuación, apriete el tornillo incluido con el paquete para asegurar la unidad de estado sólido M.2 a la placa base.
   *No apriete demasiado el tornillo, ya que podría dañar el módulo y el disipador térmico M.2.
3. M.2 SSD を慎重にスロットに挿入します。次に、パッケージに付属のネジを締めて、M.2 SSD をマザーボードに固定します。
   * しかし、きつく締めすぎるとモジュールおよび M.2 ヒートシンクが破損する恐れがあるのでご注意ください。
3. Осторожно вставьте SSD-накопитель M.2 в слот. Затем затяните винт, входящий в комплект поставки, чтобы прикрепить SSD-накопитель M.2 к материнской плате.
   * Не перетягивайте винты, т. к. это может привести к повреждению модуля и радиатора M.2.
3. 小心地将 M.2 SSD 插入插槽中。然后拧紧包装随附的螺丝，将 M.2 SSD 固定到主板上。
   * 请勿过分拧紧螺丝，否则可能会损坏模块和 M.2 散热器。





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