

ASRock

Vision 3D

Vision 3D, 3D Your Vision
World's First Blu-ray 3D HTPC



** Note: For barebone system, it may not contain CPU, memory, HDD or ODD

Vision 3D series	
Processor	Support Intel® Core™ i7 / i5 / i3 mobile Processor Family
Chipset	Mobile Intel® HM55 Express chipset
Memory	Support DDR3 1066MHz, 2 x SO-DIMM slots, Maximum up to 8GB
Display	NVIDIA® GeForce GT425M Graphics, NVIDIA® 3D Vision capable
HDD	Support 2.5" SATA HDD
ODD	BD Combo or DVD Super Multi
Front I/O	2 x USB 3.0, 1 x MIC, 1 x Head phone, 4-in-1 Card reader (MMC/SD/MS/MS Pro)
Rear I/O	1 x HDMI, 1 x DVI-I, 5 x USB 2.0, 1 x SPDIF, 1 x eSATA™, 1 x USB3.0*
Audio	7.1 Ch HD Audio with THX TruStudio Pro™
LAN	Gigabit LAN
WiFi	802.11b/g/n wireless LAN (300Mbps)
Remote Controller	Support MCE function
Power	90W/19V Adapter
Dimension	200mm(W)x70mm(H)x200mm(L)
Volume	2.8L

- *1. Due to WinXP and PCI chip (HM55) limitations, if you use WinXP, please disable the BIOS option "USB2.0 Rate Matching Hub" to make USB devices work properly.
(For example, in the process of installing WinXP or using USB3.0 devices.)
- *2. For eSATA function, Hot Plug function is supported in AHCI mode only. IDE mode does not support Hot Plug function.
- *3. This USB 3.0 port does not support legacy function. (For example, USB device can not work under DOS and legacy mode.)

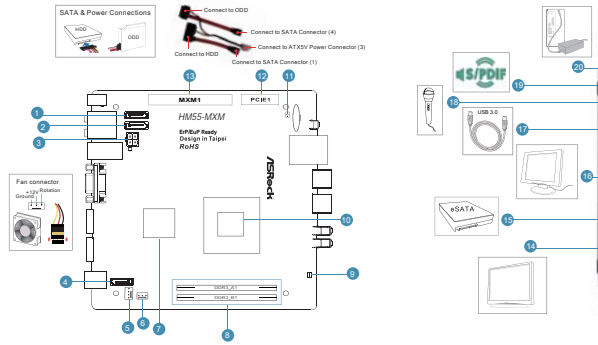
Free bundle software:

- CyberLink Power2Go 1.0 OEM version. (Blu-ray 3D movie playback, 2D-to-3D video file playback, Enhanced Theater 3D to convert 2D-to-3D for DVDs and video files etc.)
- Symantec Norton AntiVirus Software (trial version)
- ASRock AWHI Software

Accessories



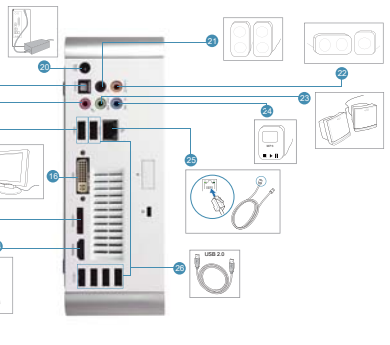
System motherboard components



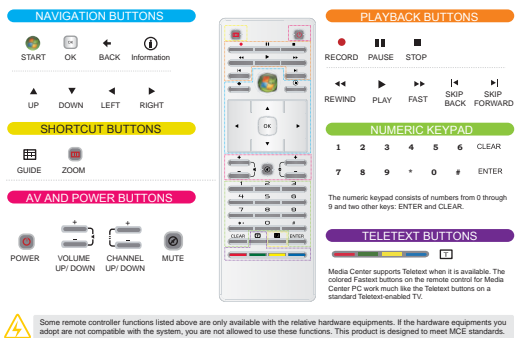
System chassis



Rear panel connections



Remote controller



Some remote controller functions listed above are only available with the relative hardware equipments. If the hardware equipments you adopt are not compatible with the system, you are not allowed to use these functions. This product is designed to meet MCE standards.

English <ol style="list-style-type: none">SATA connector: For HDD SATA data cable.SATA connector: For HDD SATA data cable.ATXSV output power connector for slim ODD & 2.5" HDDSATA connector: For ODD SATA data cableSATA power cable connector (+5V+12V) for second HDDFan connectorHM55 PCI chipsetMemory socketInfrared module headerCPUClear CMOS JumperMini-PCI Express expansion slot: For WiFi moduleMMX 3.0 slotHDMI connectoreSATA connectorDVI-I portUSB3.0 ports: USB devicesMic In (Pink): MicrophoneOptical SPDIF Out portDC-in jackSide port for side speakersCenter/LFE (Orange): Center / subwoofer speakersFront L/R Out (Lime): Stereo speakers or headphonesLine In (Blue) for 2/4/6 channel; Rear (Blue) for 8 channelLAN (RJ-45) port: Local Area NetworkUSB2.0 ports: USB devicesEarphoneMicrophoneUSB3.0 ports: USB devices4-in-1 Card reader (MMC/SD/MS/MS Pro)Power ON/OFF button with status indicatorStick-in Optical Drive	繁體中文 <ol style="list-style-type: none">SATA連接埠：用於連接硬碟SATA數據線SATA連接埠：用於連接硬碟SATA數據線用於Slim光碟機或2.5吋硬碟的ATXSV輸出電源連接埠SATA連接埠：用於連接光碟機SATA數據線用於第二顆硬碟的SATA電源連接埠 (+5V+12V)風扇連接埠HM55 PCI晶片組記憶體插槽紅外線模組接頭中央處理器清除CMOS跳線Mini-PCI Express擴充槽：用於WiFi模組MMX 3.0插槽HDMI連接埠eSATA連接埠DVI-I埠USB 3.0埠：USB裝置麥克風輸入 (粉紅色)：麥克風光纖數位SPDIF輸出埠DC-DC插孔側邊喇叭輸出埠：用於連接側邊喇叭中央聲道/低音喇叭 (橘色)：連接中央聲道及低音喇叭前置左右聲道輸出 (綠色)：連接前置聲道及耳機Line In (藍色) (藍色)：用於2/4/6聲道；後置聲道輸出埠 (藍色)：用於8聲道LAN (RJ-45)埠：連接網路設備USB 2.0埠：USB裝置耳機插孔麥克風USB 3.0埠：USB裝置4-in-1卡槽 (MMC/SD/MS/MS Pro)電源開關，支援狀態顯示功能插入式光碟機	Deutsch <ol style="list-style-type: none">SATA-Anschluss: Für SATA-HDD-DatenkabelSATA-Anschluss: Für SATA-HDD-DatenkabelATXSV/Netzanschluss für schmalen ODD & 2.5 Zoll-HDDSATA-Anschluss: Für SATA-ODD-DatenkabelSATA-Netzanschluss (+5V+12V) für zweiten HDDLüfteranschlussHM55-PCH-ChipsetSpeichersteckplatzInfrarot-Modul-HeaderClear CMOS-JumperMini-PCI-Express-Erweiterungssteckplatz: Für Wi-Fi-ModulMMX 3.0-SteckplatzHDMI-AnschlusseSATA-AnschlussDVI-I-PortUSB 3.0-Ports: USB-GeräteMicrofoningang (rosa): MikrofonOptischer SPDIF-AusgangDC-EingangSeitlicher Port für seitliche LautsprecherMitte/LFE (orange): Mittlerer / Subwoofer-LautsprecherVorderer L/R-Ausgang (grün): Stereolautsprecher oder KopfhörerLine In (blau) für 2/4/6-Kanal; hinten (blau) für 8-KanalLAN (RJ-45)-Port: Lokales NetzwerkUSB 2.0-Ports: USB-GeräteKopfhörerMikrofonUSB 3.0-Ports: USB-Geräte4-in-1-Kartenleser (MMC/SD/MS/MS Pro)Ein-/Ausstaste mit StatusanzeigeOptisches Einstoßlochwerk	Français <ol style="list-style-type: none">Connecteur SATA: pour câble de données SATA du disque durConnecteur SATA: pour câble de données SATA du disque durConnecteur d'alimentation de sortie ATXSV pour unité de disque optique mince et disque dur de 2,5"Connecteur SATA: pour câble de données SATA de l'unité optiqueConnecteur de câble d'alimentation SATA (+5V+12V) pour second disque durConnecteur du ventilateurChipset PCH HM55Emplacement pour module de mémoireEmbase pour module infrarougeCaravéril d'effacement de la CMOSEmplacement d'extension Mini-PCI Express: pour module WiFiEmplacement MMX 3.0Connecteur HDMIConnecteur eSATAPort DVI-IPorts USB3.0 périphériques USBEntrée micro (Rose): MicrophonePort de sortie SPDIF optiquePrise entrée CCPort latéral pour haut-parleurs latérauxCentre/LFE (orange): haut-parleurs centre / subwooferSortie L/R avant (Vert): haut-parleurs ou écouteurs stéréoEntrée de ligne (Bleu) pour 2/4/6 canaux; Arrière (Bleu) pour 8 canauxPort LAN (RJ-45): réseau localPorts USB 2.0 périphériques USBÉcouteursMicrophonePorts USB3.0 périphériques USBLecteur de carte 4 en 1 (MMC/SD/MS/MS Pro)Bouton Marche/Arrêt avec indicateur d'étatUnité optique à insérer	Italiano <ol style="list-style-type: none">Connectore SATA: per cavo dati HDD SATAConnectore SATA: per cavo dati HDD SATAConnettore uscita potenza ATXSV per unità ODD Slim e HDD 2.5"Connectore SATA: per cavo dati ODD SATAConnettore cavo d'alimentazione SATA (+5V+12V) per la seconda unità HDDConnettore ventolaChipset HM55 PCHSocket memoriaCollettore modulo infrarossiCPUJumpers cancellazione CMOSAlloggio d'espansione Mini-PCI Express: per modulo WiFiAlloggio MMX 3.0Connettore HDMIConnettore eSATAPorte DVI-IPorte USB3.0 Dispositivi USBIngresso microfono (rosa): MicrofonoPorta uscita SPDIF otticaConnettore ingresso DCPorta laterale per casse lateraliCentral/LFE (arancione): Cassa centrale/SubwooferUscita L/R frontale (verde): Cassa stereo o cuffiePorta uscita SPDIF otticaPorte LAN (RJ-45): LAN (Local Area Network)USB2.0 Dispositivi USBCuffieMicrofonoPorte USB3.0 Dispositivi USBLettore a schede 4 in 1 (MMC/SD/MS/MS Pro)Tasto accensione / spegnimento con indicatore di statoUnità ottica ad inserimento (Stick-in)	한국어 <ol style="list-style-type: none">SATA 커넥터: HDD SATA 데이터 케이블용SATA 커넥터: HDD SATA 데이터 케이블용슬림 ODD 및 2.5" HDD용 ATXSV 출력 전원 커넥터SATA 커넥터: ODD SATA 데이터 케이블용2차 HDD용 SATA 전원 케이블 (+5V+12V)용 커넥터팬 커넥터HM55 PCH 칩셋메모리 슬롯적외선 모듈 헤더CPUClear CMOS 스위치Mini-PCI Express 확장 슬롯: 무선 WiFi 모듈용MMX 3.0 슬롯HDMI 커넥터eSATA 커넥터DVI-I 포트USB 3.0 포트: USB 장치마이크 입력 (분홍색): 마이크광학 SPDIF 출력 포트DC 입력 잭측면 스피커용 포트중심/저음 (주황색): 중앙/서브우퍼 스피커프론트 L/R 출력 (녹색): 스테레오 스피커 또는 헤드폰2/4/6채널용 라인 입력 (파란색); 8채널용 뒷면 입력 (파란색)LAN (RJ-45) 포트: LANUSB 2.0 포트: USB 장치이어폰마이크USB 3.0 포트: USB 장치4-in-1 카드 리더 (MMC/SD/MS/MS Pro)상태 표시등과 전원 버튼을 갖춘 ON/OFF 버튼슬롯 삽입형 광학 드라이브 트레이	日本語 <ol style="list-style-type: none">SATA コネクタ: HDD SATAデータケーブル用SATA コネクタ: HDD SATAデータケーブル用スリムODDおよび2.5" HDD용 ATXSV出力電源コネクタSATA コネクタ: ODD SATAデータケーブル用2番目のHDD용 SATA電源ケーブル (+5V+12V)용 커넥터ファンコネクタHM55 PCHチップセットメモリスロット赤外線モジュールヘッダーCPUクリアCMOSスイッチミニPCI Express 拡張スロット: WiFiモジュール用MMX 3.0 スロットHDMI コネクタeSATA コネクタDVI-I ポートUSB3.0ポート: USBデバイスマイク入力 (ピンク): マイク光SPDIF出力ポートDC入力ジャック側面スピーカー用ポート中央/低音 (オレンジ): 中央/サブウーハー・スピーカーフロントL/R出力 (グリーン): ステレオスピーカーまたはヘッドホン2/4/6チャンネル用ライン入力 (ブルー); 8チャンネル用リア入力 (ブルー)LAN (RJ-45) ポート: LANUSB2.0ポート: USBデバイスイヤホンマイクUSB3.0ポート: USBデバイス4-in-1カードリーダー (MMC/SD/MS/MS Pro)ステータスインジケータと電源オン/オフボタンを備えた光学ドライブスロットイン方式光学ドライブ
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Opening the chassis

1. Press the button on the rear I/O to pen the top side of the chassis.



2. After the chassis is opened, you will see the top shield inside the chassis.



3. Unscrew the screws on the corner of the top shield.



4. Carefully take the top shield out.



Reinstalling the ODD/HDD

1. After you remove the top shield, you will see the ODD/HDD bracket.



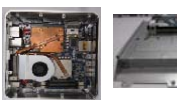
2. Disconnect the ODD/HDD SATA power cable, and take out the ODD/HDD bracket.



3. Disconnect all the ODD/HDD SATA power cables inside the chassis.



4. Then you can change the new ODD/HDD to upgrade your system.



Reinstalling the DIMMs

1. Unlock the DIMM slot by pressing the retaining clips outward to change the DIMM.



Reinstalling the CPU

1. Unscrew the screws of the CPU fan.



2. Unscrew the screws on the corner of the CPU socket.



3. Now you can reinstall a new CPU to the system.



Reinstalling the MXM card

1. Unscrew the screws of the heatsipe on the MXM card.



2. Use your fingers to pull the outer side of the heatsipe upward.



3. Finally you can take out the heatsipe and change a new MXM card.



Safety instructions

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 40°C.
- If you use an extension cord, make sure that the total amperage rating of the devices plugged into the extension cord does not exceed its amperage 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 flows. 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.

NOTE: The warranty does not apply to products that have been disassembled by users.

Safety cautions and warnings

Optical Drive Safety Information

Optical drives sold with this system contains a CLASS 1 LASER PRODUCT.

CAUTION: Invisible laser radiation when open. Do not stare into beam or view directly with optical instruments.

WARNING: Making adjustments or performing procedures other than those specified in the user's manual may result in hazardous laser exposure. Do not attempt to disassemble the optical drive. For your safety, have the optical drive serviced only by an authorized service provider.

Product disposal notice

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

Nordic Lithium Cautions (for lithium-ion batteries)

CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

English

- Opening the chassis
- Press the button on the rear I/O to pen the top side of the chassis.
 - After the chassis is opened, you will see the top shield inside the chassis.
 - Unscrew the screws on the corner of the top shield.
 - Carefully take the top shield out.
- Reinstalling the ODD/HDD
- After you remove the top shield, you will see the ODD/HDD bracket.
 - Disconnect the ODD/HDD SATA power cable, and take out the ODD/HDD bracket.
 - Disconnect all the ODD/HDD SATA power cables inside the chassis.
 - Then you can change the new ODD/HDD to upgrade your system.
- Reinstalling the DIMMs
- Unlock the DIMM slot by pressing the retaining clips outward to change the DIMM.
- Reinstalling the CPU
- Unscrew the screws of the CPU fan.
 - Unscrew the screws on the corner of the CPU socket.
 - Now you can reinstall a new CPU to the system.
- Reinstalling the MXM card
- Unscrew the screws of the heatsipe on the MXM card.
 - Use your fingers to pull the outer side of the heatsipe upward.
 - Finally you can take out the heatsipe and change a new MXM card.

繁體中文

- 打開機箱
- 按後I/O面板上的按鈕以打開機箱上蓋的頂部。
 - 上蓋打開後，您會在機箱內看到頂蓋上蓋。
 - 拆開機箱上蓋的螺絲。
 - 小心地取下機箱上蓋。
- 重新安裝光碟機/硬碟
- 拆下機箱上蓋後，您會看到光碟機/硬碟托架。
 - 拔除光碟機/硬碟的SATA電源線後，即可順利取出光碟機/硬碟托架。
 - 並順利取出機箱上蓋所有的SATA數據線。
 - 然後方便您將新光碟機/硬碟更新系統。
- 重新安裝DIMM
- 按兩側鎖扣鬆開固定夾後，即可更換記憶體。
- 重新安裝CPU
- 拆開CPU風扇螺絲的螺絲。
 - 拆開CPU固定螺絲。
 - 現在您就可以更換安裝所需CPU到系統。
- 重新安裝MXM顯示卡
- 拆開MXM顯示卡散熱片上的螺絲。
 - 用指頭將MXM顯示卡輕微向上。
 - 之後順勢將MXM顯示卡取出。

Deutsch

- Gehäuse öffnen
- Drücken Sie zum Öffnen der oberen Gehäuseblende die Taste am hinteren EIA.
 - Nachdem das Gehäuse geöffnet ist, sehen Sie die obere Abdeckung im Inneren des Gehäuses.
 - Lösen Sie die Schrauben in den Ecken der oberen Abdeckung.
 - Nehmen Sie die obere Abdeckung vorsichtig heraus.
- Neue ODD/HDD installieren
- Nachdem Sie die obere Abdeckung entfernt haben, sehen Sie die ODD-/HDD-Halterung.
 - Ziehen Sie das ODD-/HDD-SATA-Netzwerk; nehmen Sie die ODD-/HDD-Halterung heraus.
 - Lösen Sie alle ODD-/HDD-SATA-Netzwerk im Inneren des Gehäuses.
 - Anschließend können Sie das neue ODD/ide neue HDD zum Auflösen Ihres Systems einbauen.
- Neue DIMM installieren
- Lösen Sie die DIMM-Steckplätze, indem Sie die Halteklammern zum Auswechseln des DIMM nach außen drücken.
- Neue CPU installieren
- Lösen Sie die Schrauben des CPU-Kühlers.
 - Lösen Sie die Schrauben in den Ecken des CPU-Sockels.
 - Nun können Sie eine neue CPU in System installieren.
- Neue MXM-Karte installieren
- Lösen Sie die Schrauben vom Wärmehohr der MXM-Karte.
 - Ziehen Sie die Außenseite des Wärmehohrs mit Ihren Fingern nach oben.
 - Nehmen Sie das Wärmehohr schließlich heraus; setzen Sie eine neue MXM-Karte ein.

Français

- Ouverture du châssis
- Appuyez sur le bouton sur le panneau E/S arrière pour ouvrir la face supérieure du châssis.
 - Une fois que le châssis est ouvert, vous pouvez voir la plaque de protection supérieure dans le châssis.
 - Dévissez les vis sur le coin de la plaque de protection supérieure.
 - Sortez soigneusement la plaque de protection supérieure.
- Reinstallation de l'unité optique/du disque dur
- Après avoir retiré la plaque de protection supérieure, vous pouvez voir le support pour unité optique/du disque dur.
 - Débranchez le câble d'alimentation SATA pour unité optique/du disque dur, et sortez le support pour unité optique/du disque dur.
 - Débranchez tous les câbles d'alimentation SATA pour unité optique/du disque dur se trouvant à l'intérieur du châssis.
 - Vous pouvez alors changer l'unité optique ou le disque dur pour mettre votre système à niveau.
- Reinstallation des modules DIMM
- Déverrouillez l'emplacement pour module DIMM en appuyant sur les clips de fixation de l'épave à les écarter vers l'extérieur pour changer le module DIMM.
- Reinstallation du processeur
- Dévissez les vis du ventilateur du processeur.
 - Dévissez les vis sur le coin du socle du processeur.
 - Vous pouvez maintenant installer le nouveau processeur dans le système.
- Reinstallation de la carte MXM
- Dévissez les vis sur le caloduc de la carte MXM.
 - Servez-vous de vos doigts pour soulever l'extrémité extérieure du caloduc.
 - Vous pouvez enfin retirer le caloduc et mettre en place une nouvelle carte MXM.

Italiano

- Apertura del telaio
- Premere il tasto sul pannello I/O posteriore per aprire la parte superiore del telaio.
 - Dopo avere aperto il telaio, si vedrà la protezione superiore all'interno.
 - Togliere le viti sugli angoli della protezione superiore.
 - Estrarre delicatamente la protezione superiore.
- Installazione dell'unità ODD/HDD
- Dopo avere rimosso la protezione superiore si vedrà il supporto ODD/HDD.
 - Scollegare il cavo d'alimentazione ODD/HDD SATA ed estrarre il supporto ODD/HDD.
 - Scollegare tutti i cavi d'alimentazione ODD/HDD SATA all'interno del telaio.
 - Poi si può installare la nuova unità ODD/HDD per aggiornare il sistema.
- Installazione dei moduli DIMM
- Sbloccare l'alloggio DIMM premendo verso l'esterno i fermagli ed installare i moduli DIMM.
- Installazione della CPU
- Togliere le viti della ventola CPU.
 - Togliere le viti sugli angoli del socket CPU.
 - Adesso si può installare la nuova CPU sul sistema.
- Installazione della scheda MXM
- Togliere le viti del tubo termovettore (heatsipe) della scheda MXM.
 - Con le dita sollevare l'estremità del tubo termovettore.
 - Infine, estrarre il tubo termovettore ed installare la nuova scheda MXM.

Español

- Apertura del chasis
- Pulse el botón situado en el panel posterior de E/S para abrir la parte superior del chasis.
 - Una vez abierto el chasis, podrá ver la cubierta protectora superior en su interior.
 - Desenrosque los tornillos situados en las esquinas de la cubierta protectora superior.
 - Extraiga la cubierta protectora superior con cuidado.
- Sustitución de la unidad ODD/HDD
- Una vez extraída la cubierta protectora superior, podrá ver la abrazadera de la unidad ODD/HDD.
 - Desconecte el cable de alimentación SATA de la unidad ODD/HDD instalada y extraiga la abrazadera de la unidad ODD/HDD.
 - Desconecte todos los cables de alimentación SATA de las unidades ODD/HDD instaladas en el interior del chasis.
 - A continuación, instale la nueva unidad ODD/HDD para actualizar el sistema.
- Sustitución de los módulos DIMM
- Destroque una ramra DIMM presionando las pinzas de retención hacia fuera y sustituya el módulo DIMM correspondiente.
- Sustitución de la CPU
- Desenrosque los tornillos del ventilador de la CPU.
 - Desenrosque los tornillos situados en las esquinas del zócalo de la CPU.
 - Ahora podrá instalar una nueva CPU en el sistema.
- Sustitución de la tarjeta MXM
- Desenrosque los tornillos que mantienen sujeto el tubo de disipación de la tarjeta MXM.
 - Extraiga la parte externa del tubo de disipación tirando de ella hacia arriba con los dedos.
 - Por último, extraiga el tubo de disipación y sustituya la tarjeta MXM por una nueva.

Русский

- Процедура открытия корпуса
- Нажмите кнопку на задней панели ввода-вывода, чтобы открыть верхнюю часть корпуса.
 - После открытия корпуса будет виден верхний экран, расположенный внутри корпуса.
 - Отвинтите винты в углах верхнего экрана.
 - Осторожно извлеките верхний экран.
- Процедура замены привода оптических дисков и жестких дисков
- После удаления верхнего экрана будет виден кронштейн для привода оптических дисков и жестких дисков.
 - Отсоедините кабель питания SATA привода оптических дисков и жестких дисков и извлеките кронштейн для привода оптических дисков и жестких дисков.
 - Отсоедините все кабели питания SATA привода оптических дисков и жестких дисков внутри корпуса.
 - Затем можно установить новые жесткие диски и привода оптических дисков для модернизации системы.
- Процедура замены модулей памяти DIMM
- Отвинтите защелки DIMM, нажимая расширители фиксаторов наружу, чтобы заменить модуль памяти DIMM.
- Процедура замены центрального процессора
- Отвинтите винты вентилятора центрального процессора.
 - Отвинтите винты в углах гнезда центрального процессора.
 - Теперь можно установить в систему новый центральный процессор.
- Замена MXM-карты
- Отвинтите винты тепловой трубы на MXM-карте.
 - Пальцами потяните вверх наружную сторону тепловой трубы.
 - Теперь можно снять тепловую трубу и установить новую MXM-карту.

Português

- Abrir o chassis
- Prime o botão E/S na traseira para abrir a parte superior do chassis.
 - Depois de abrir o chassis, irá ver a proteção superior no interior do chassis.
 - Desaperte os parafusos no canto da proteção superior.
 - Remova a proteção superior com cuidado.
- Reinstalar a Unidade de Disco Óptico/Disco Rígido
- Depois de remover a proteção superior, irá ver o suporte da Unidade de Disco Óptico/Disco Rígido.
 - Desligue o cabo de alimentação SATA da Unidade de Disco Óptico/Disco Rígido e retire o suporte da Unidade de Disco Óptico/Disco Rígido.
 - Desligue todos os cabos de alimentação SATA da Unidade de Disco Óptico/Disco Rígido no interior do chassis.
 - Pode agora trocar a Unidade de Disco Óptico/Disco Rígido para atualizar o seu sistema.
- Reinstalar os módulos DIMM
- Abra a ranhura DIMM pressionando para fora os cliques de retenção para trocar o módulo DIMM.
- Reinstalar a CPU
- Desaperte os parafusos da ventoinha da CPU.
 - Desaperte os parafusos no canto do suporte da CPU.
 - Pode agora instalar uma nova CPU no seu sistema.
- Reinstalar a placa MXM
- Desaperte os parafusos do dissipador de calor da placa MXM.
 - Utilize os dedos para puxar para cima a parte exterior do dissipador de calor.
 - Por fim, pode remover o dissipador de calor e trocar a placa MXM.

한국어

- 세시 열기
- 뒤쪽 I/O의 버튼을 눌러 세시의 위쪽을 고정합니다.
 - 세시가 열리면 세시 내부의 상부 덮개가 보입니다.
 - 상부 덮개 나사를 각기 분리합니다.
 - 상부 덮개를 조심스럽게 꺼냅니다.
- ODD/HDD 재설치하기
- 상부 덮개를 제거하면 ODD/HDD 브래킷이 보입니다.
 - ODD/HDD SATA 전원 케이블을 분리하고 ODD/HDD 브래킷을 꺼냅니다.
 - 세시 내의 모든 ODD/HDD SATA 전원 케이블을 분리합니다.
 - 이제 ODD/HDD 교환해 시스템을 업그레이드할 수 있습니다.
- DIMM 재설치하기
- 고정 클램프를 바깥쪽으로 눌러 DIMM 슬롯의 잠금을 해제해 DIMM을 교환합니다.
- CPU 재설치하기
- CPU 팬의 나사를 풁습니다.
 - CPU 소켓의 나사를 각기 풁습니다.
 - 이제 새 CPU를 시스템에 재설치할 수 있습니다.
- MXM 카드 재설치하기
- MXM 카드 히트파이프의 나사를 풁습니다.
 - 손가락을 사용해 히트파이프의 바깥쪽을 잡아당겨 올립니다.
 - 마지막으로 히트파이프를 꺼낸 후 새 MXM 카드를 교환할 수 있습니다.

日本語

- シャーシを開ける
- 背面のボタンを押してシャーシの上部を開けます。
 - シャーシを開けると、シャーシの内側のトッププレートが見えます。
 - トッププレートの角にあるねじを外します。
 - トッププレートをゆっくりと取り外します。
- ODD/HDD交換
- トッププレートを取り外すと、ODD/HDDブラケットが見えます。
 - ODD/HDD SATA電源ケーブルを取り外し、ODD/HDDブラケットを外します。
 - シャーシの中のODD/HDD SATA電源ケーブルをすべて取り外します。
 - これで新規ODD/HDD交換し、システムをアップグレードすることができます。
- DIMM交換
- DIMMスロットの保持クリップを外側に押しつけてロックを解除し、DIMMを交換できるようになります。
- CPUの交換
- CPUファンのにじを外します。
 - CPUソケットの角にあるねじを外します。
 - これで新しいCPUをシステムに設置することができます。
- MXMカードの交換
- MXMカードのヒートパイプのねじを外します。
 - 指でヒートパイプの外側を上に向かって引き上げます。
 - ヒートパイプを取り外し、新しいMXMカードに交換します。