ZALMAN
COOL INNOVATIONS



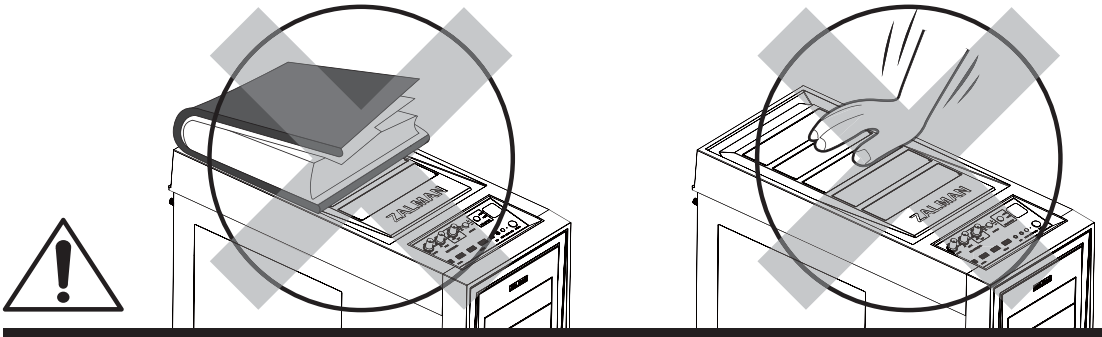
AUTOMATIC HEAT VENTILATION FULL TOWER COMPUTER CASE

H1

USER MANUAL

English / 한 글 / Français / Español

ENGLISH / 한 글



※ Do not place objects on the top of vent and do not apply any pressure . It may damage the product.

※ 상단 벤트에 물건 혹은 사람의 신체 부위를 올려 놓거나 힘을 가하지 마십시오. 제품이 파손 될 수 있습니다.

1. Cautionary Note

1. Please read this manual thoroughly prior to installation.
2. Before installing, check the components and condition of the product, and if any problem is found, contact the retailer.
3. Please wear gloves while handling this product to prevent injuries.
4. Incorrect cable connections may cause short circuits leading to fire hazards.
5. Do not block the front intake vent or the rear exhaust vent.
6. Keep this unit away from heat sources, direct sunlight, water, oil and place the unit on a flat and well-ventilated area.
7. Do not clean the product surface with chemicals or wet cloth. (chemicals: industrial alcohol, pait thinner and organic solvent etc.)
8. Avoid inserting objects or hands into the system while it is in operation to prevent product damage and injuries.
9. Zalman Tech Co., Ltd. is not responsible for any improper use.
10. Product design and specifications may be revised to improve quality and performance.

1. 주의사항

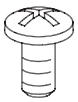
1. 설치 전 설명서를 숙독하십시오.
2. 설치 전 제품과 구성품을 반드시 확인 후 이상이 있으면 구입처에 교환/환급 조치 받으십시오.
3. 제품 설치 시 사고 예방을 위해 장갑을 착용하고 취급하십시오.
4. 시스템 장착 시 치명적 손상이 발생할 수 있으므로 무리한 힘을 가하지 마십시오.
5. 케이블을 잘못 연결하면 합선으로 인한 화재 우려가 있어 반드시 설명서를 참고하여 연결하십시오.
6. 시스템 사용 시 제품의 통풍구가 막히지 않도록 주의하십시오.
7. 직사광선, 물, 습기, 기름, 먼지가 많은 곳을 피하고 공기가 잘 통하는 곳에서 보관/사용하십시오.
8. 화학약품 등으로 제품의 표면을 닦지 마십시오. (알코올 또는 아세톤 등 유기용제)
9. 동작 중에는 인체나 제품에 해를 끼칠 수 있으므로 손이나 물체를 넣지 마십시오.
10. 어린이의 손이 닿지 않는 곳에서 보관/사용하십시오.
11. 정해진 용도 외의 사용 및 소비자 부주의로 발생한 문제는 당사에서 책임지지 않습니다.
12. 제품의 외관 디자인 및 규격은 품질 향상을 위해 소비자에게 예고 없이 변경될 수 있습니다.

3. Features / 특징

Enclosure Type		Full Tower Case
Dimensions		237(W) x 551(H) x 569(D)mm
Motherboard Compatibility		Standard ATX/ Micro-ATX/ Mini-ATX/ LX-ATX/E-ATX
Power Supply Compatibility		Standard ATX / ATX12V
PCI/AGP Card Compatibility		Full Size 360mm (14.1inch)
Drive Bays	5.25"	3
	3.5"	7
	Hot-swap	3.5"/2.5" HDD x 3EA
	Common	Internal Bay 5.25" / 3.5" / 2.5" x 1
Cooling Components (Fans)	Top	120mm Fan Vent x 2 (2 Fan included)
	Rear	120mm Fan Vent x 1 (1 Fan included)
	Front	200mm LED Fan x 1 (1 Blue LED Fan included)
	Cooling Kit	120mm Additional Fan x 1 (1 Fan optional (Internal))
Fan Controller (Front/Top/Rear)		Simultaneously Control 2 Channels
VGA Guide		Yes
Acrylic Side		Yes
I/O Ports		Headphones x 1, Mic x 1, USB 2.0 x 2, USB 3.0 x 2, Temperature Display
Acrylic Side		Yes
Expansion Card Slots		9 Slots

4. Components / 구성품

Components / 공용 구성품



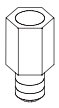
A Bolt
(#6-32*5mm) x 6
[PSU,PCI]



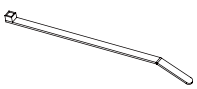
B Bolt
(M3*5mm) x 35
[M/B,FDD, SSD, ODD]



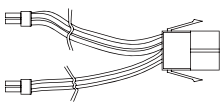
C Bolt
(FH Tap 5*10mm) x 8



Stand Off x 7



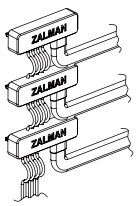
Cable Tie x 5



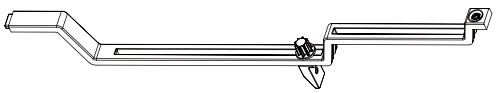
CPU 12V Extension
Cable x 1



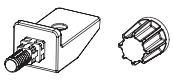
Manual x 1



Hot SWAP SATA
Cable x 1

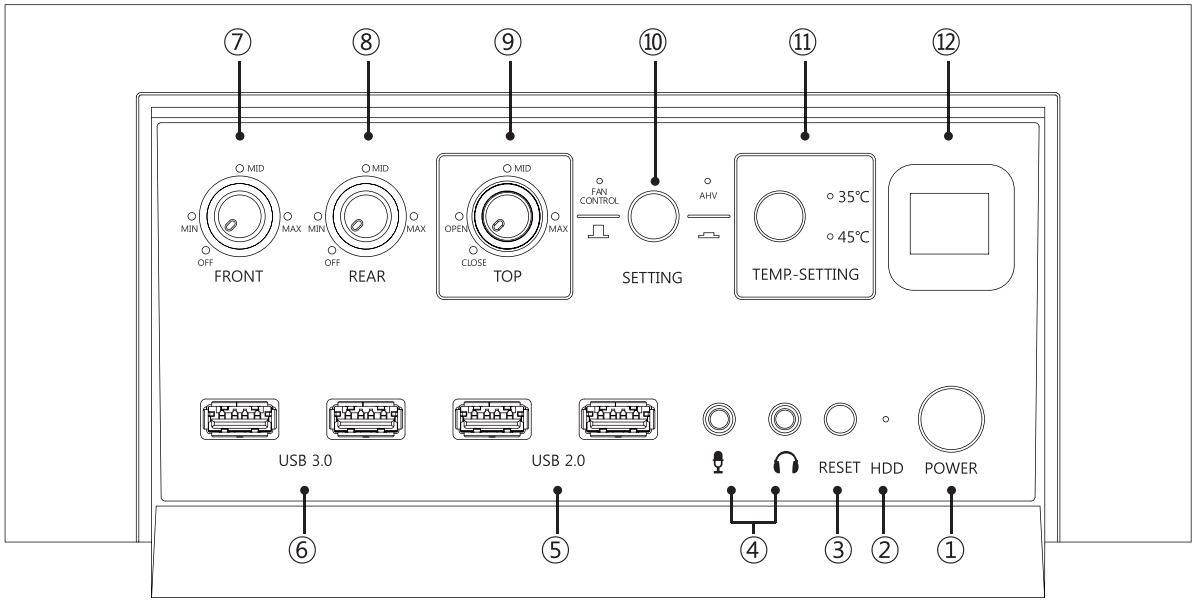


VGA Guide x 1



Guide Clip x 2

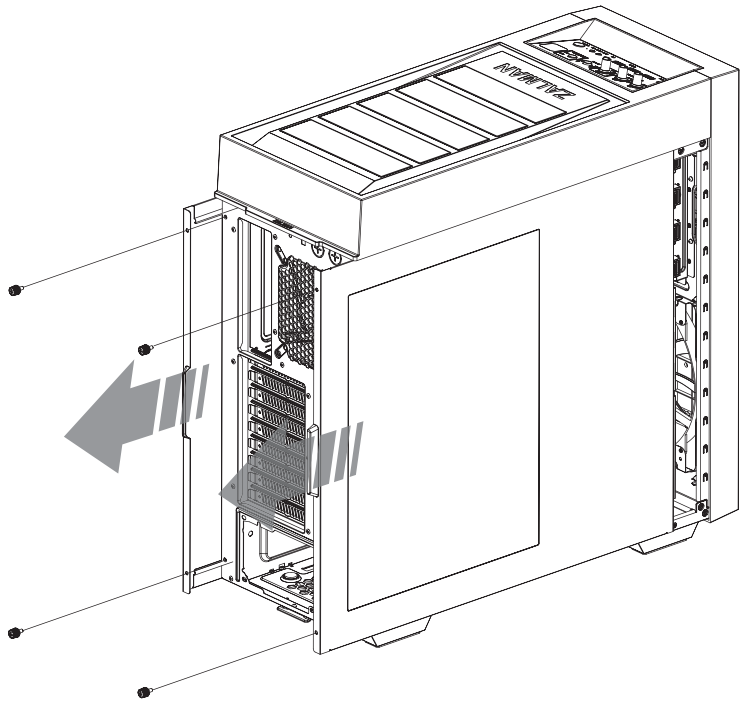
5. Front I/O Ports / 상단 I/O 포트



#	Part / 명칭	#	Part / 명칭
①	Power Button / 전원	⑦	Front Fan controller / 전면 팬 컨트롤러
②	HDD LED	⑧	Rear Fan controller / 후면 팬 컨트롤러
③	Reset Button / 리셋	⑨	Top Fan controller / 상면 팬 컨트롤러
④	MIC & Head Phone / 마이크 & 헤드폰	⑩	AHV Setting Button / AHV 셋팅 버튼
⑤	USB 2.0	⑪	Temp. Setting / 온도 설정 (35℃/45℃)
⑥	USB 3.0	⑫	Temp. Display / 온도 창

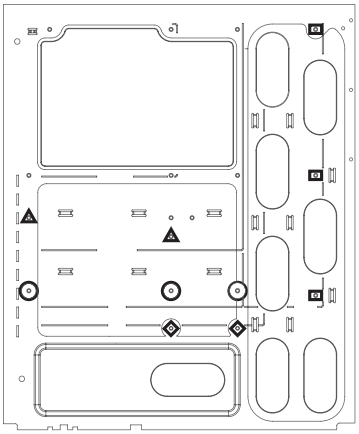
6. Installation / 설치방법

1) Side Panel Removal / 사이드 커버 분리

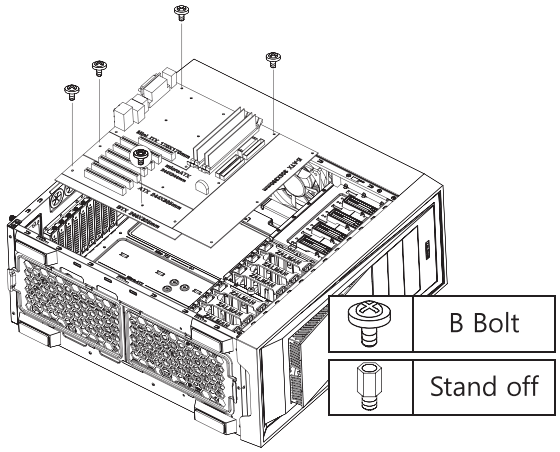


2) Motherboard installation / 마더보드 설치

- There are 6 Stand-offs preinstalled. Please refer to the diagrams below.
- 기본 6개의 Stand-Off가 장착되어 있으며, 하단 그림을 참조하여 마더보드를 케이스에 장착합니다.

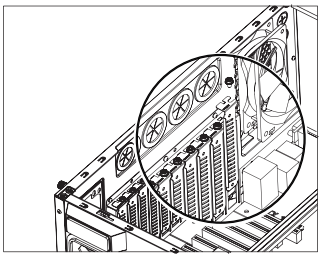


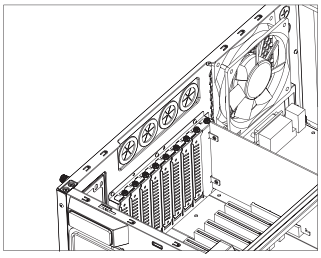
ATX
E-ATX
BTX
Micro-ATX



	B Bolt
	Stand off

3) VGA Card Installation / 그래픽 카드 설치

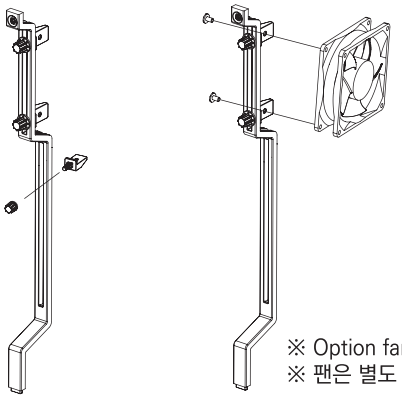




① Remove the PCI Slot Cover.
② Install the VGA Card and fasten with a fixing screw.

① PCI 커버를 제거합니다.
② 그래픽 카드를 설치하고 고정나사로 고정 합니다.

	A Bolt



※ Option fan available for purchase.
※ 팬은 별도 판매입니다.

※ Tip / 추가사항

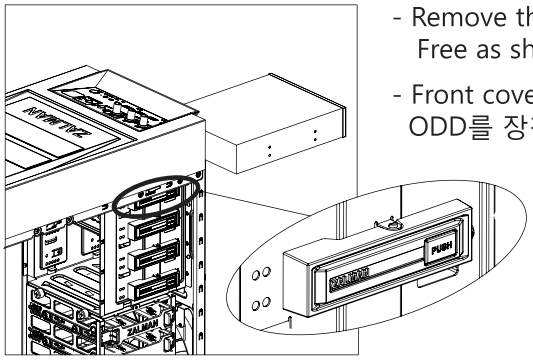
① Assemble the nut as shown.
② Install the Fan on the assemble clip as shown.

① 그림과 같이 너트를 조립합니다.
② 그림과 같이 조립한 클립에 팬을 조립 하여 시스템에 추가로 쿨링 할 수 있습 니다.

	Guide Clip / 가이드 클립
	Guide Nut / 가이드 너트

※ The VGA Support system is designed to support the weight of high profile vedio cards to prevent warping.
※ 그래픽 카드의 처짐을 방지하기 위해서 VGA 지지대를 설치하여 처짐을 방지할 수 있습니다.

4) ODD Installation / ODD 설치



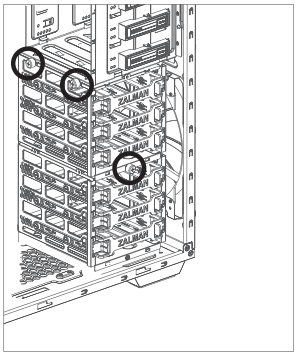
- Remove the Front cover and install ODD pressing ODD Tool Free as shown in the figure.
- Front cover를 분리 후 그림과 같이 ODD Tool Free 누르면서 ODD를 장착합니다.

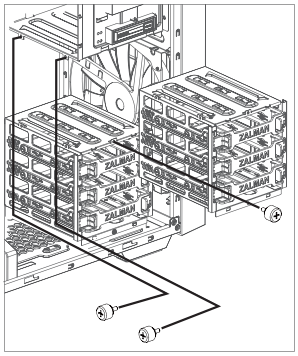
- Install ODD pressing the Push button.
- Push 버튼을 누르면서 ODD를 장착합니다.

	B Bolt

5) 3.5" & 2.5" HDD Tray Installation / 3.5" & 2.5"트레이 설치

① 3.5"&2.5" HDD Module removal / 3.5"&2.5" HDD 모듈 분리

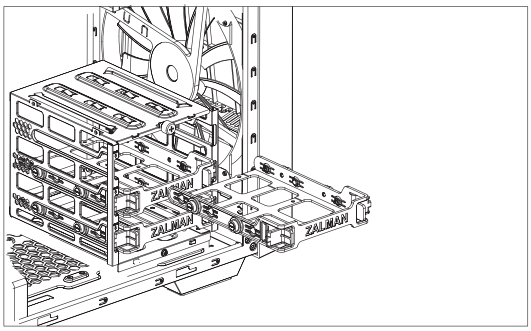




1) Remove the screws and then remove the Module as shown in the figure

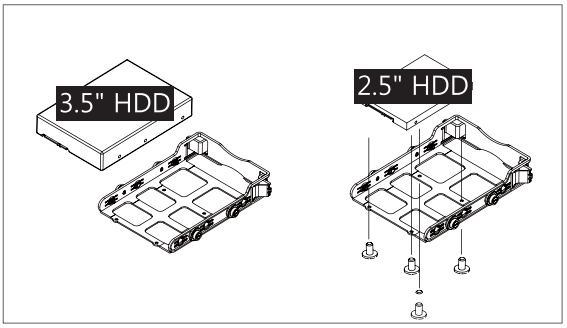
1) 그림과 같이 나사를 제거한 후 Module을 분리합니다.

② Install the Drive on HDD tray / HDD 트레이에 드라이브 설치



1) Remove the HDD Cover and then remove the HDD Tray as shown in the figure.

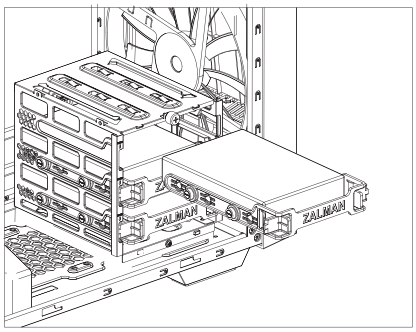
1) HDD Cover를 분리 후 HDD Tray를 그림과 같이 분리합니다.

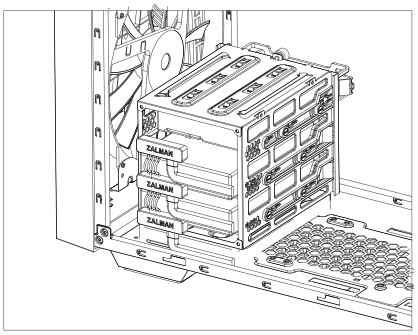


2) Install the tray on the drive.

2) 트레이에 드라이브를 장착합니다.

③ Install the Drive on HDD tray / Hot swap HDD 트레이에 HDD 장착

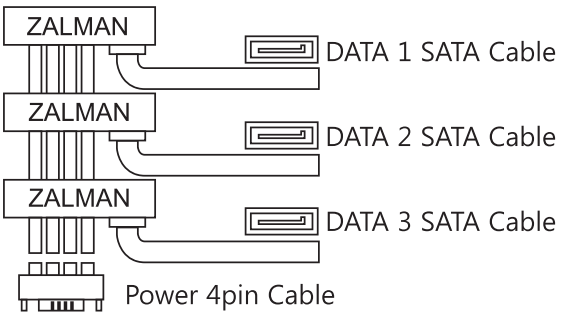




1) Install the HDD-installed tray in the HDD Module as shown in the figure. Connect Hot swap Cable Module to the installed hard.

1) 그림과 같이 HDD가 장착된 트레이를 HDD Module에 장착 합니다. Hot swap Cable Module을 장착된 하드에 연결합니다.

6) Hot swap Installation / Hot swap 설치



Caution / 주 의

- ▶ To use Hot-Swap, the S-ATA Cable and 4-Pin Power Cable must be connected to the Hot-Swap PCB.
- ▶ PC and HDD might be damaged during the installation of *1) HDD and if the power is not turned off. Even when the desktop and the storage system support *2) HOT plugging it is still strongly recommended to turn the power off.
- ▶ Frequent installation and removal of an HDD can wear connectors.
- ▶ To use Hot-Swap, set motherboard BIOS to AHCI and format HDD using AHCI.

- ▶ Hot-Swap 기능을 사용하기 위해서는 HDD 장착 전 반드시 Hot-Swap PCB에 S-ATA 케이블과 4핀 전원 케이블이 연결되어 있어야 합니다.
- ▶ PC본체의 전원이 연결된 상태에서 *1)HDD를 탈착 및 장착 시 PC및 HDD에 심각한 피해가 발생할 수도 있습니다. 특히 PC본체 및 저장장치가 *2)핫플러깅 (HOT plugging) 기능을 지원해도 PC 전원을 완전히 종료 후 설치할 것을 강력히 권장합니다.
- ▶ HDD의 탈착이 잦을 경우 접촉부위에 마모가 생길 수 있으니 유의하십시오.
- ▶ Hot-Swap 기능을 사용하기 위해서는 마더보드 BIOS를 AHCI로 설정하고, HDD를 AHCI 방식으로 포맷해야 합니다.

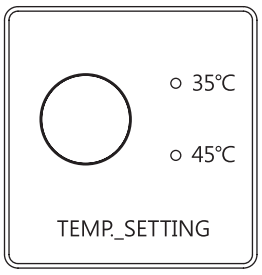
1) HDD : 3.5"/2.5" HDD or SSD 2) Hot Plugging : Allows you to install storage device when the PC power is on.
1) HDD : 3.5"/2.5" HDD 및 SSD 2) 핫플러깅 : PC전원이 켜진 상태에서 저장 장치를 교체 할 수 있는 기능

7) Information about AHV / AHV 설명

* AHV : the upper cover opens automatically according to the inside temperature
* AHV : 시스템 내부 온도에 따라 상단의 벤트가 자동으로 개폐됩니다.

① Motion Setting / 동작 설정

1) Set interior limit temperature of the case. As shown in the picture, choose one between 35℃ and 45℃ to set limit temperature and press Setting to set temperature on AHV.
1) 케이스 내부의 한계 온도를 셋팅 합니다. 그림과 같이 35도와 45도 두 종류의 온도 중 하나를 셋팅하여 한계 온도 설정 후 Setting 버튼을 눌러 AHV를 설정합니다.



Temp._Setting Button



Setting Button

Caution / 주 의

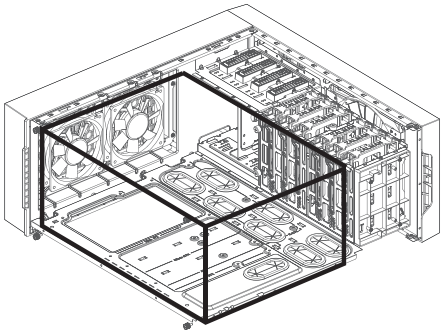
Attaching a temperature sensor close to an internal part not in the inside atmosphere of the system may cause temperature rise and thus malfunction of AHV.
Opening each vent with excessive pressure may cause breakdown of Top Vent. (Motions are available only according to the setting value.)

온도 센서를 시스템 내부의 대기가 아닌 시스템 내부 부품에 근접하여 붙일 경우 센서 온도 상승으로 인하여 AHV 오작동을 일으킬 수 있으니 주의바랍니다. 상단 각각의 vent를 무리하게 열었을 때 고장의 원인이 될수 있습니다. (오직 SETTING 값에 따른 동작만 가능합니다.)

Tip / 참고사항

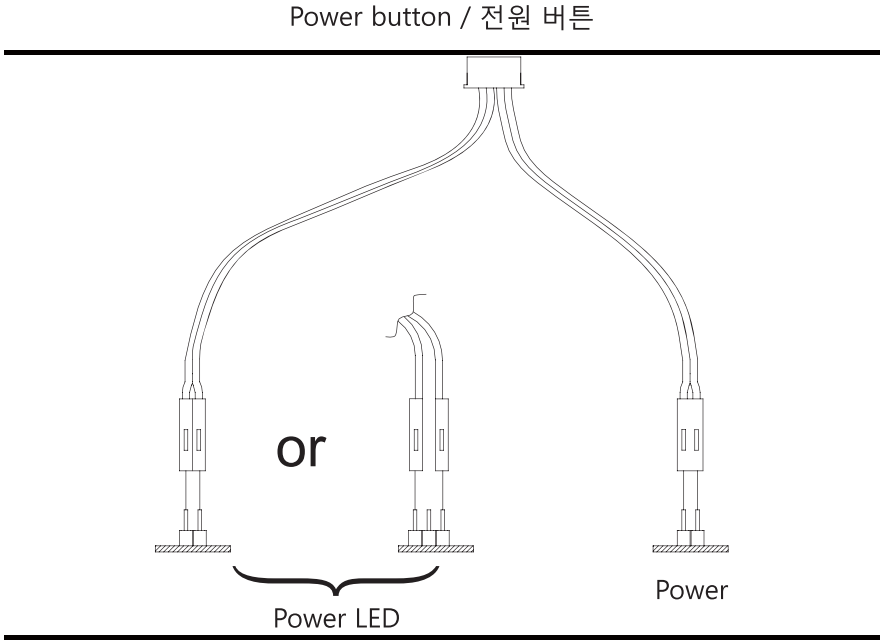
* How to attach temperature sensor properly
As shown in the picture, attach where it can measure the interior atmosphere temperature of the case.

* 올바른 온도센서 부착 방법
그림과 같이 케이스 내부 대기온도를 측정할 수 있는 곳에 부착합니다.



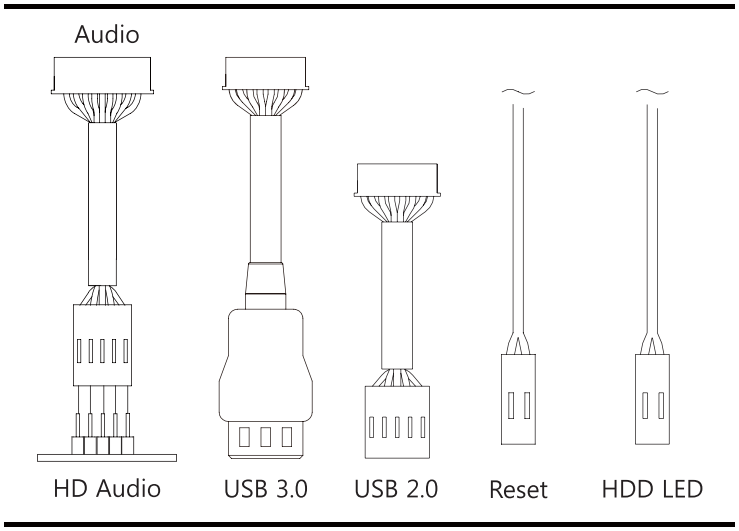
8) Cabel Connect / 케이블 연결

① Power button cable connect / 전원버튼 케이블 연결



9) Cabel Connect / 전원 I/O 모듈 케이블 연결

① Top cable connect / 상면 I/O포트 연결



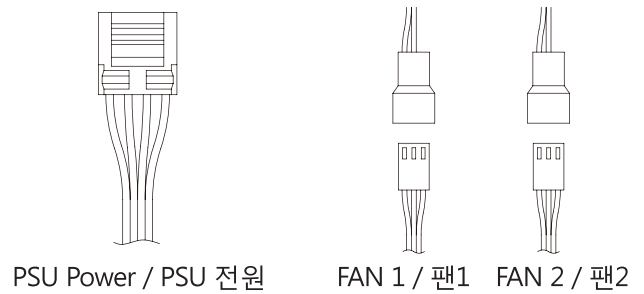
Tip

- ▶ To connect USB 2.0 audio cables, please refer to the motherboard manual.
- ▶ When the +/- polarities are reversed, the LED's will not function.

- ▶ USB 2.0, 오디오 케이블 연결은 마더보드 매뉴얼을 참조하십시오.
- ▶ Power LED / HDD LED 커넥터의 +/- 를 반대로 연결할 경우 LED가 정상 작동하지 않습니다.

② Fan Controller Display connection / 팬 컨트롤러 연결

- After connecting the 4-Pin Power cable, connect Fans to Fan Connector.
- 팬 컨트롤러 : 4핀 전원을 연결한 후 팬 커넥터에 팬을 연결합니다. (팬 2개 연결 가능)

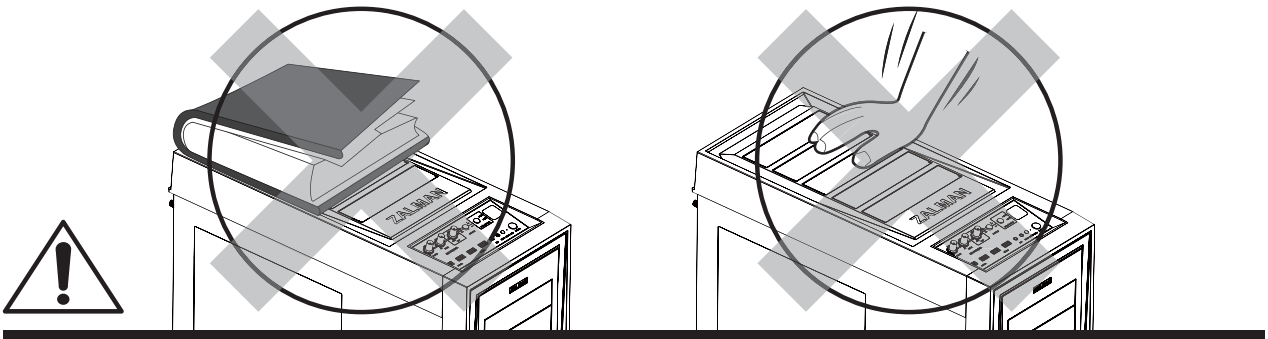


7. 품질보증 및 A/S 안내

1. 제품 보증기간: 제품 구입일로부터 1년(단, 구입 영수증이 있을 때)
2. 무상A/S: 품질 보증기간 내에 제품 자체 성능상의 하자 및 불량 발생 시
3. 유상A/S: 품질 보증기간 이후에 제품 사용상의 문제 발생시. 단, 아래와 같은 사항에 대해서는 품질 보증기간 이내라도 무상 A/S 처리가 되지 않으며 소비자 부담으로 처리됩니다.
   - ☞ 본 사용 설명서에 명시된 설치 전 주의사항 및 유의사항을 지키지 않은 경우
   - ☞ 사용자의 고의나 과실 및 부주의로 인하여 변형/파손/파괴된 경우
   - ☞ 사용자 임의 개조에 의한 변형 및 고장이 발생한 경우
4. 교환 및 환불
   1) 교환: 제품 구입일로부터 1개월 이내에 제품 자체 성능상의 하자 또는 불량 발생 시 동일 제품으로 교환하여 드립니다.
   2) 환불: 제품 구입 후 10일 이내에 제품 및 포장의 훼손이 없는 경우에만 구입처를 통해 환불받으실 수 있습니다. (단, 제품 구입 시 발급해 드린 영수증을 제시하셔야 환불 가능합니다)
5. A/S
   1) 운영시간: 평일 09:00~18:00 (공휴일, 토·일요일 휴무)
   2) 접수 방법
      ① 방문 접수: 직접 방문할 경우 사전 연락 후 방문해 주시기 바랍니다.
      ② 택배 접수: 택배(우편)를 이용하실 경우 아래의 주소로 성함, 주소, 연락처 및 불량 상태를 적은 메모지를 넣어서 보내주십시오.
   3) 접수처
      ◆ 총판 (아이구주): 서울시 용산구 한강로2가 16-1선인상가 21동 3층 126-128호
      ☏070-8250-1428

6. 제품 운송 비용
   1) 무상 A/S의 경우: 전액 당사가 부담합니다.
   2) 유상 A/S의 경우: 당사로 보내시는 비용은 고객이 부담하시고, A/S처리 후 발송하는 비용은 당사가 부담합니다.
   3) 보증기간 이후: 전액 고객 부담입니다.

Français / Español



※ Ne pas placer d'objets ou de parties du corps ou appliquer une force sur l'évent supérieur, car cela pourrait endommager le produit.

※ No coloque una cosa o parte del cuerpo de la persona ni aplique la fuerza en la rejilla de ventilación superior. Se podría dañar el producto.

1. Précautions

1. Assurez-vous d'être bien informé du manuel du produit avant son installation.
2. Assurez-vous de vérifier l'état des composants et des produits, et s'il vous plaî consulter votre revendeur quand il y a une erreur.
3. Assurez-vous de porter des gants pour éviter les blessures ou les accidents lors de la manipulation de ce produit.
4. il y a un risque d'incendie dû à un court-circuit si vous les connectez incorrectement.
5. Veillez à ne pas bloquer les aérations à l'avant et à l'arrière du produit.
6. Installez le produit dans des endroits aérés, plats, et exempt de vibrations sans lumière solaire directe, chaleur générée par le chauffage, éclaboussures d'eau (pluie),ou beaucoup d'humidité et d'huile.
7. Ne pas nettoyer le produit avec des produits chimiques (produits chimiques, cirages industrielles, alcool, dissolvant, lubrifiant, détergent etc.)
8. Ne pas mettre la main ou des objets dans le produit actif. Cela peut nuire au corps humain et au produit.
9. Nous ne prenons aucune responsabilité pour les problèmes qui se produisent en raison d'une utilisation autre que l'usage prévu
10. La conception ou les spécifications sont sujettes à modification sans préavis aux clients afin d'améliorer la qualité du produit.

1.Precauciones

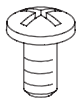
1. Antes de instalar, leer rápidamente las insturcciones del producto.
2. Antes de instalar, verificar el estado del productos y los componentes y en caso de quehaya anomalías consulte con el departamento de compras.
3. Para prevención de accidentes y heridas durante el manejo de este producto, usar guantes de seguridad
4. Al conectar los cables, conecte los cables después de verficar el manual. En caso demal coneccion hay peligro de fuego por corto circuito.
5. Precaucion en que el ventilador de la parte frontera y trasera del producto no este obstruido.
6. Evitar lugares que hay calor como lugares con rayo de sol directo o alrededor de calefacciones, lugares que salpica agua (lluvia), lugares con mucho aceite o humedad e instalar en lugares que conduzca mucho aire, plano y que no haya vibraciones.
7. No limpiar la superficie del producto con medicamentos químicos. (Medicamentos químicos, barniz industrial, cera, benceno,alcohol, diluyente, medicamento para lubricante etc.)
8. No introducir las manos u objetos en los productos en movimiento. Puede causardanos al producto o al cuerpo.
9. La compañía no será responsable sobre los problemas ocurridos por el usoademás del uso determinado
10. El diseño exterior y el modelo del producto puede ser cambiado sin aviso previo al consumidor para el mejoramiento de calidad del producto.

3. Spécification du produit / Especificacion de Producto

Enclosure Type		Full Tower Case
Dimensions		237(W) x 551(H) x 569(D)mm
Motherboard Compatibility		Standard ATX/ Micro-ATX/ Mini-ATX/ LX-ATX/E-ATX
Power Supply Compatibility		Standard ATX / ATX12V
PCI/AGP Card Compatibility		Full Size 360mm (14.1inch)
Drive Bays	5.25"	3
	3.5"	7
	Hot-swap	3.5"/2.5" HDD x 3EA
	Common	Internal Bay 5.25" / 3.5" / 2.5" x 1
Cooling Components (Fans)	Top	120mm Fan Vent x 2 (2 Fan included)
	Rear	120mm Fan Vent x 1 (1 Fan included)
	Front	200mm LED Fan x 1 (1 Blue LED Fan included)
	Cooling Kit	120mm Additional Fan x 1 (1 Fan optional(Internal))
Fan Controller (Front/Top/Rear)		Simultaneously Control 2 Channels
VGA Guide		Yes
Acrylic Side		Yes
I/O Ports		Headphones x 1, Mic x 1, USB 2.0 x 2, USB 3.0 x 2, Temperature Display
Acrylic Side		Yes
Expansion Card Slots		9 Slots

4. Partes / Components

Partes / Common Compontns



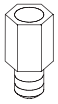
Vis A / Tornillo A
(#6-32*5mm) x 6
[PSU,PCI]



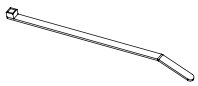
Vis B / Tornillo B
(M3*5mm) x 35
[M/B,FDD, SSD, ODD]



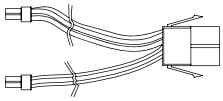
Vis C / Tornillo C
(FH Tap 5*10mm) x 8



Ecrou /Soporte x 7



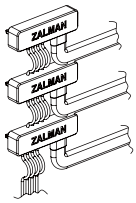
Attache de câble /
Sujetacable x 5



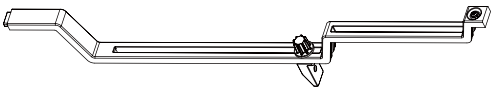
câble d'extension de CPU /
extensión del cable de
extensión cable x 1



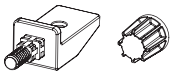
Instructions /
Manual x 1



Hot SWAP SATA
Cable x 1

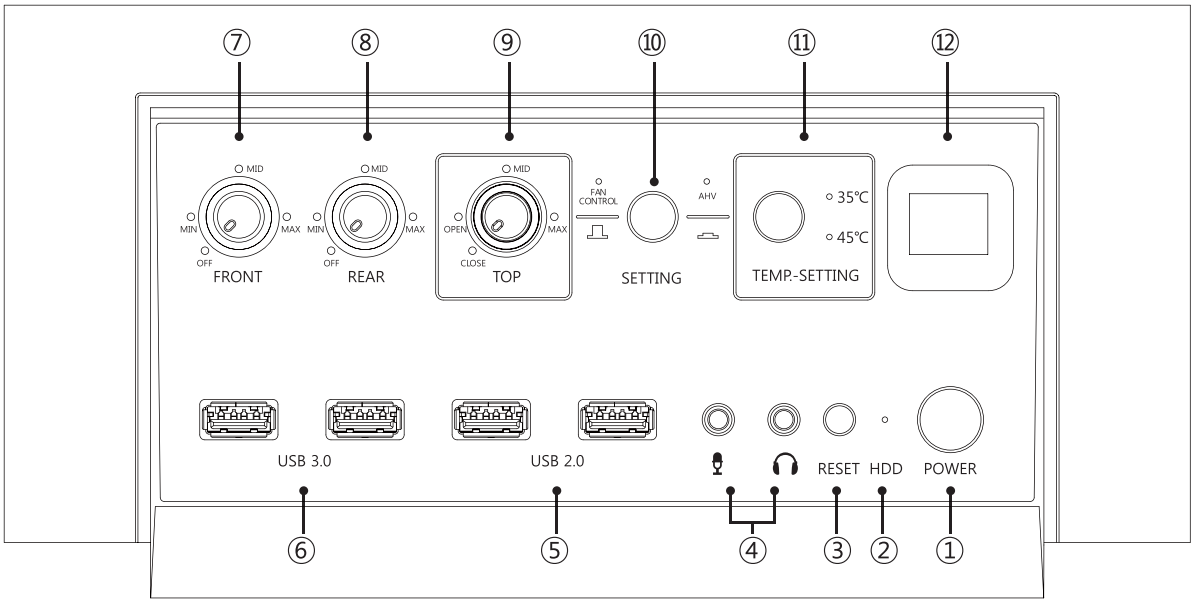


Guide VGA / Guía VGA x 1



Clip de Guide /
Clip de Guía x 2

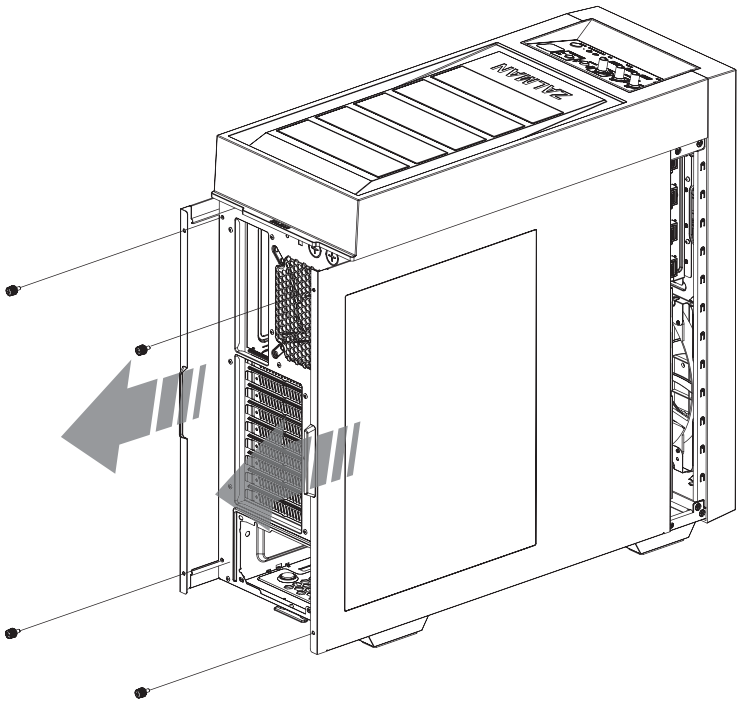
5. Top IO ports / Puerto de IO en superficie



#	Part	#	Part
①	Bouton d'alimentation / Botón dePotencia	⑦	Avant Contrôleur de ventilateur / Frontal Control de Abanico
②	HDD LED	⑧	Arrière Contrôleur de ventilateur / espalda Control de Abanico
③	Bouton de réinitialisation / Botón de Reinicio	⑨	Top Contrôleur de ventilateur / Superior Control de Abanico
④	MIC & Casque / MIC & Audífonos	⑩	AHV Bouton de réglage / AHV Botón de Ajuste
⑤	USB 2.0	⑪	Réglage de température / Ajuste de Temperatura (35°C/45°C)
⑥	USB 3.0	⑫	Affichage de la température / pantall de temperature

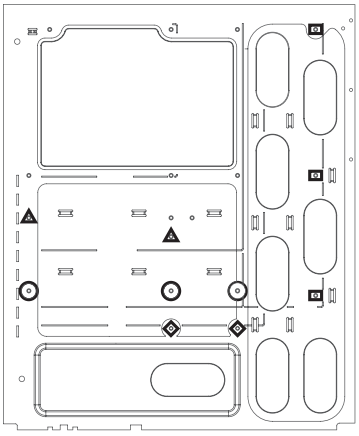
6. Installation

1) Retrait du panneau latéral / Retirar el panel lateral

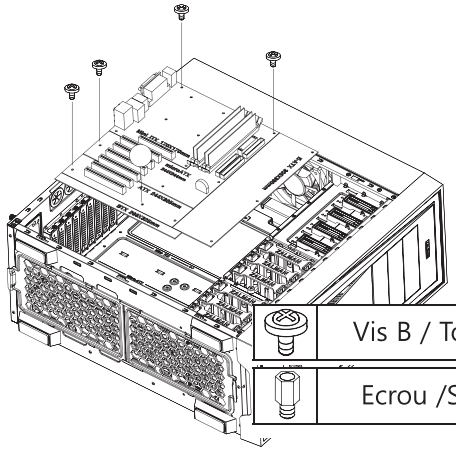


2) Installation de la carte mère / Instalación de la placa base

- Six vis sont pré installées. En fonction de votre carte mère, référer vous aux diagrammes ci-dessous pour installer les vis.
- Seis tornillos están preinstalados. Dependiendo de la placa base, para instalar los tornillos consulte los diagramas a continuación.

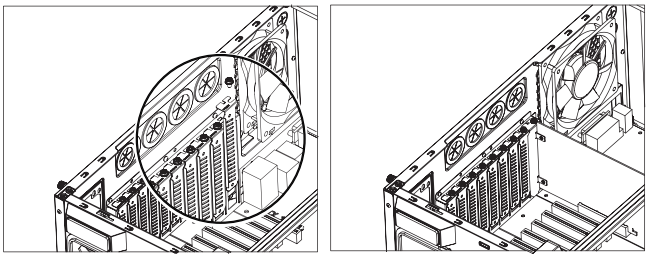


○ ATX
□ E-ATX
◇ BTX
△ Micro-ATX



	Vis B / Tornillo B
	Ecrou /Soporte

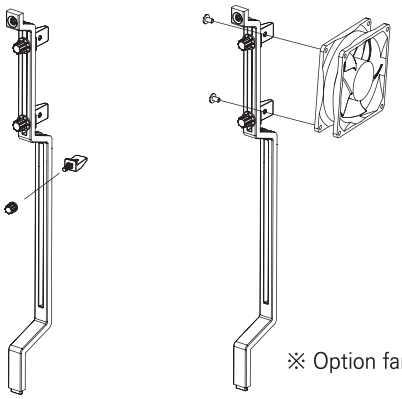
4) Assemblage de la carte graphique / Ensamblaje de tarjeta grafica



① Desserrer la vis à la main qui fixe le couvercle de PCI et séparer le couvercle.
② Retirer le couvercle du logement PCI.

① Separar el cubierto desarmando el tornillo de mano que fija el cubierto PCI.
② Remover el cubierto de la ranura PCI.

	Vis A / Tornillo A



※ Option fan available for purchase.

※ Pointe / Punta

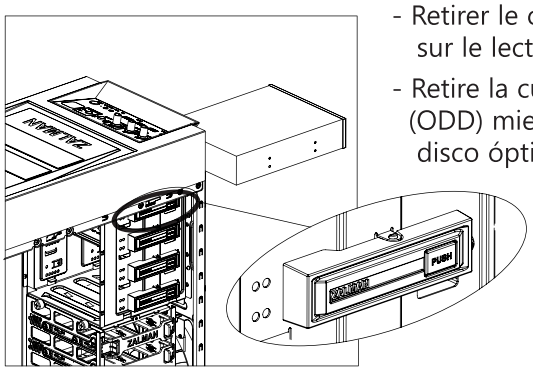
① Assembler des clips et des écrous comme indiqué sur la figure.
② Combiner le ventilateur avec les clips assemblés comme indiqué sur la figure.

① Ensamblar el clip y la tuerca según la imagen.
② Ensamblar el abanico en el clip que armo según la imagen.

	Guide VGA / Guía VGA
	Clip de Guide / Clip de Guía

※ En installant le guide VGA, vous pouvez empêcher la carte graphique de s'affaisser.
※ Para prevenir la suspensión de la tarjeta grafica, instale el sostén VGA y puede prevenir la suspensión.

5) Installation de ODD / Instalar ODD

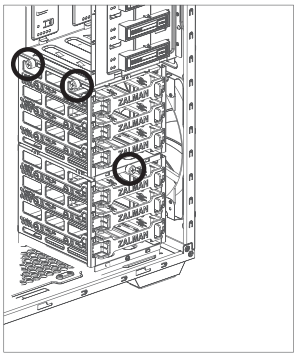


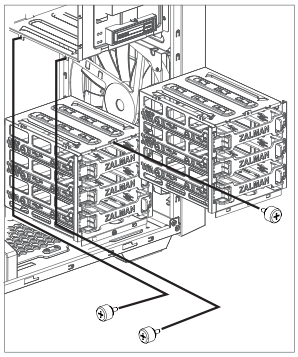
- Retirer le capot avant et installer le lecteur optique en appuyant sur le lecteur optique sans outil
- Retire la cubierta delantera e instale la unidad de disco óptico (ODD) mientras presiona la herramienta libre de la unidad de disco óptico (ODD Tool Free) como se muestra en la figura.
- Installer le lecteur optique tout en appuyant sur le bouton-poussoir.
- Instale la unidad de disco óptico (ODD) mientras presiona el botón pulsador (Push).

	Vis B / Tornillo B

5) Installation du plateau de 3.5"/ 2.5" / Instalar bandeja 3.5”/2.5”

① Séparer le disque dur de 3.5" et 2.5" / Separe el módulo de la unidad de disco duro(HDD) de 3.5 "del 2.5"

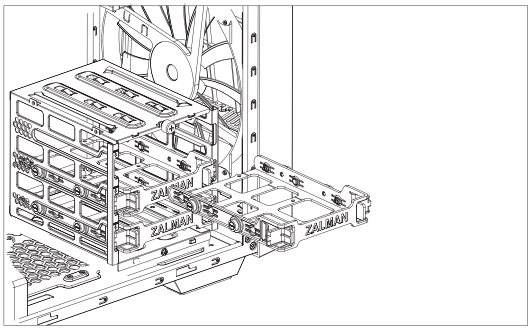


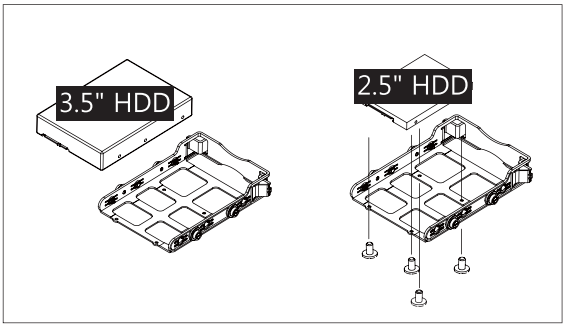


1) Après le retrait des vis comme illustré sur la figure, le moudule peut être retiré

1) Puede separar el módulo después de retirar los tornillos como se muestra en la figura.

② Installer le lecteur sur le plateau de disque dur / Instale la unidad en la bandeja de la unidad de disco duro





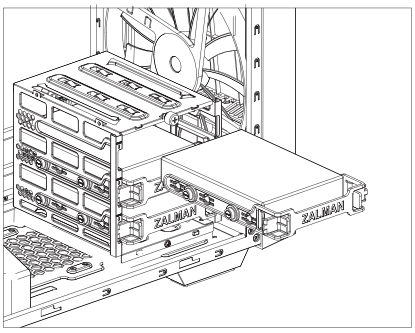
1) Après avoir retiré le couvercle de disque dur, retirer le plateau de disque dur comme illustré sur la figure.

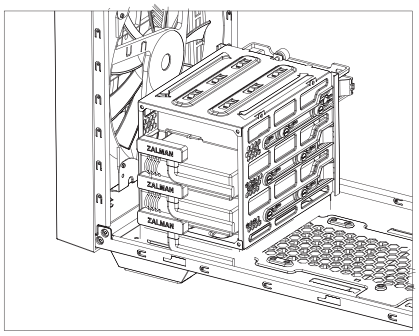
1) Separe la bandeja de la unidad de disco duro como se muestra en la figura después de separar la cubierta de la unidad de disco duro.

2) Installation du disque sur le plateau

2) Equipar disco de bandeja

③ Installation de Hot swap HDD Tray / Instalar Hot swap HDD Tray

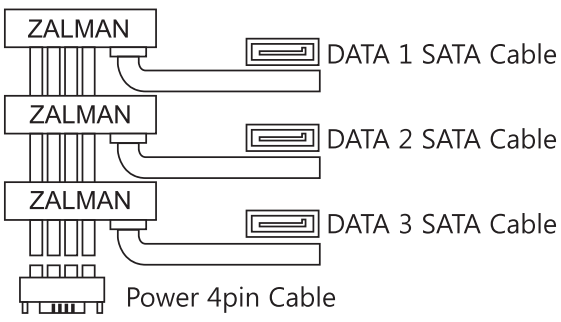




1) Comme illustré sur la figure, installer le plateau équipé du disque dur dans le module de disque dur. Brancher le module de câble à l'échange à chaud sur le disque dur installé.

1) Instale la bandeja equipada con la unidad de disco duro en el módulo de la unidad de disco duro (HDD Module) como se muestra en la figura. Conecte el módulo de cable de intercambio en caliente (Hot Swap Cable Module) a la unidad instalada.

6) Installation de How-Swap / Instalación el Hot-swap



Précaution / Precaución

- ▶ Pour utiliser la fonction de Hot-Swap, le câble de S-ATA et le câble d'alimentation à 4 broches doivent être connectés à Hot-Swap PCB avant l'installation du HDD
- ▶ Alors que la puissance de l'unité principale de PC est allumée, le détachement et l'attachement de * 1) HDD peuvent causer de graves dommages sur le PC et HDD. En particulier, même si l'unité principale de PC et le dispositif de stockage soutienne * 2) la fonction de Hot Plugging, il est fortement recommandé de les installer après un arrêt complet d'alimentation de PC.
- ▶ Noter que la fréquence de l'attachement et du détachement de HDD peut provoquer l'usure des pièces en contact.
- ▶ Pour utiliser la fonction de Hot-Swap, régler le BIOS de la carte mère en tant que AHCI et formater le HDD sous la forme d'AHCI.

- ▶ Para utilizar la función de hot-swap, antes de la equitación del HDD, el cable SATA y el cable de potencia de 4pin tienen que estar conectados al Hot-Swap PCB.
- ▶ En el estado de que la potencia este conectado en el caja del PC *1) Al des equipar y equipar el HDD, puede causar serios daños al PC y el HDD. Especialmente, cuando la caja de PC y aparato de almacén *2) soporte la función de Hot plugging, se recomienda instalar después de terminar la potencia del PC completamente.
- ▶ En caso de que la desequipacion del HDD es frecuente, tomar en cuenta de que puede ocurrir desgaste en la parte de contacto.
- ▶ Para utilizar la función de Hot-Swap, ambientar el BIOS de la tarjeta madre en AHCI, y formatear el HDD en el modo AHCI.

* 1) HDD - 3.5 "& 2.5" HDD et SSD / 3.5"& 2.5" HDD y SSD
* 2) Hot-plugging: F) la fonction de remplacer le dispositif de stockage lorsque l'alimentation de PC est allumée.
E) Se refiere a la función que permite cambiar el dispositivo de almacenaje en el estado de que la potencia del PC este encendido.

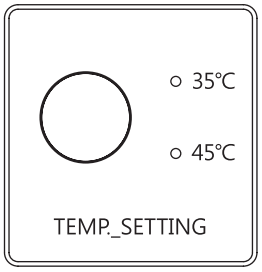
7) Description d'AHV / Descripción de AHV

* AHV : the upper cover opens automatically according to the inside temperature

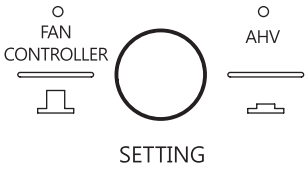
① Réglage de fonctionnement / Ajuste de la operación

1) Régler la limite de température en fixant la température à 35° ou 45° comme indiqué dans la figure. Appuyez sur «Réglage» pour le réglage dans « l'AHV» comme indiqué dans la figure.

1) Ajuste el límite de la temperatura dentro de la caja. Ajuste uno de dos tipos de temperaturas, 35 grados y 45 grados, para ajustar el límite de temperatura como se muestra en la figura. Pulse el botón de ajuste para ajustar el AHV como se muestra en la figura.



Temp._Setting Button



Setting Button

Précaution / Precaución

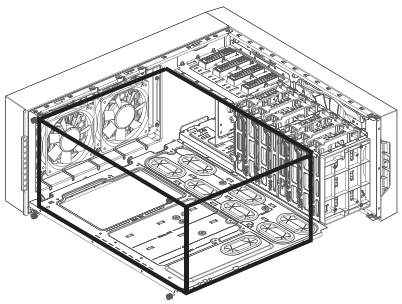
Dans le cas où le capteur de température n'est pas fixé dans l'atmosphère interne du système, mais à proximité des composants internes d'un système, veuillez faire attention que l'élévation de température dans le capteur de température peut entraîner un dysfonctionnement de «l'AHV». Si vous ouvrez la chaque évent par la force, cela peut être la cause du dérèglement de l'évent supérieure. (Seule une action basée sur la valeur réglée est possible.)

Al colocar el sensor de temperatura cerca de las partes internas del sistema, no la temperatura interna del sistema, puede causar que el AHV mal funcione debido al aumento de temperatura en el sensor de temperatura El respiradero de la parte superior no puede funcionar bien cuando cada respiradero está abierto por la fuerza (Puede ser operado sólo de acuerdo con el valor de ajuste).

Pointe / Punta

* Façon correcte pour fixer le capteur de température
Il doit être fixé, comme illustré dans la figure, où la température de l'air à l'intérieur du boîtier peut être mesurée.

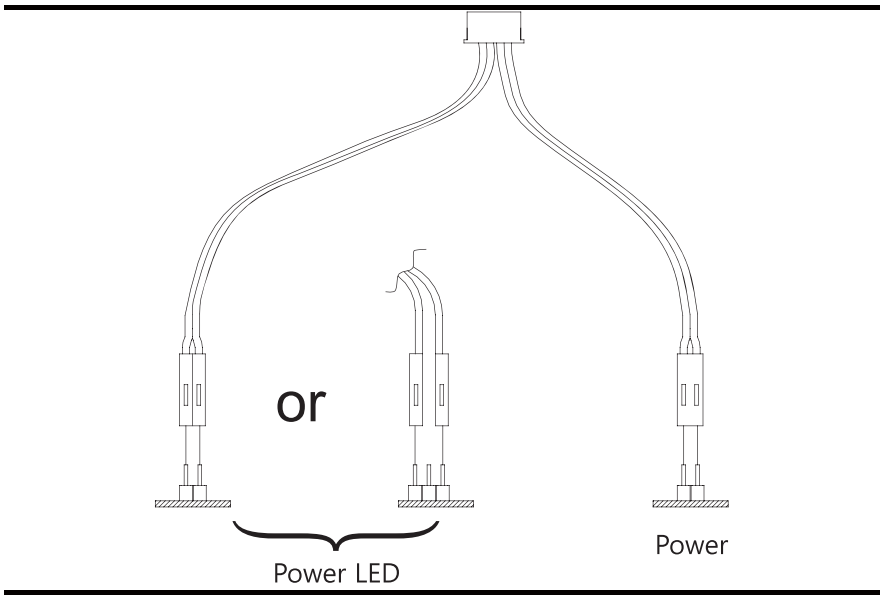
* Cómo instalar correctamente el sensor de temperatura
Instale la temperatura del aire en el interior del caso donde se puede hacer la medición como se muestra en la figura.



8) Connexion des câbles / Cable Connection

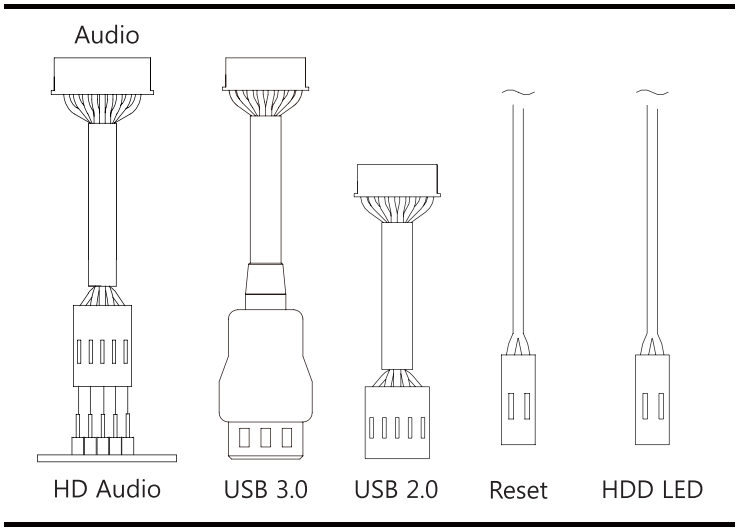
① Connexion des câble d'alimentation de bouton / Conexión cable de botón de potencia

bouton d'alimentation / Botón de encendido



9) Connexion des câble d'alimentation I/O module / Conexión de cable de modulo I/O de potencia

① Top cable connect / Connection ports de I/O



Tip

▶Voir le manuel de la carte mère pour la connexion des câbles de l'USB 2.0 ou d`audio

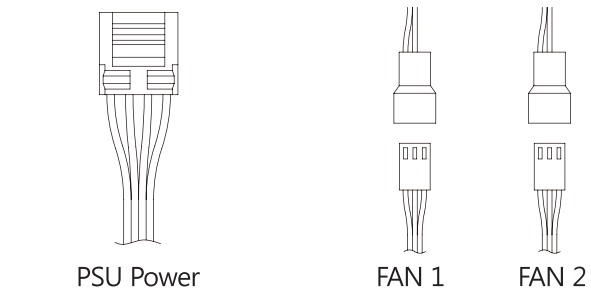
▶ Si vous connectezinversement la cathode et l'anode des connecteurs de DEL d'alimentation / DEL de HDD, DEL ne fonctionne pas normalement.

▶ La conexión de USB 2.0 y cable de audio, referir al manual de la tarjeta madre.

▶ En caso de conectar al revés el +/- del conector de LED de potenciay HDD, el LED puede que no funcione correctamente.

② Connection du contrôleur de ventilateur / Conexión del controlador de abanico

- Contrôleur de ventilateur: Après connecter le contrôleur à l`alimentation de 4 broches, brancher le ventilateur au connecteur de ventilateur. (2 ventilateur peuvent être connectés)
- Controlador de abanico: Después de conectar la potencia 4pin, conectar el abanico en el conectador de abanico. (Puede conectar hasta 2abanicos).



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