GIGABYTE™

12WE6-AR16G3H-10AR

Memory Module - Warranty Statement

The following limited warranty applies to GIGABYTE memory products. The limited warranty applies to the original end user customer of the product so long as the original end user customer owns the product. This limited warranty is non-transferable. GIGABYTE provides replacement or repair services to our customer for defective products within the applicable warranty period. If any, please check on https://www.gigabyte.com for more product detail.

Limitation Of Warranty

This limited warranty covers only repairs or replacement of GIGABYTE products. Please note that GIGABYTE is not responsible for providing free repairs if any of the following applies:

1. Damage is caused by natural calamities, accidents, vandalism, power problems or any inappropriate usage.
2. Damage is caused by accessories, wrapping materials and refillable goods other than the memory module itself.
3. Product has been used with third-party accessories.
4. Product has been repaired or disassembled by unauthorized technicians.
5. The warranty label, product serial number is altered, damaged, unclear or missing.
6. Product serial number does not conform to the number issued by GIGABYTE or the label has been damaged.
7. Products were purchased from unauthorized distribution channels.
8. Product compatibility problems don't result from any defect in the GIGABYTE memory module.

Duration of Warranty

Memory modules are covered by a "limited warranty".* The warranty period starts from the day of purchase. If the product is damaged due to natural causes, free maintenance service is provided during the product's service life. Proof of the original purchase date is required for this Warranty Service.

* The limited warranty vary by countries, please visit GIGABYTE website for more detail warranty information.

Additional Remarks

For certain products, maintenance is done by replacing them with reserved products; therefore it is possible that after maintenance, the product returned to the consumer may not be the original one sent in for maintenance. Due to high product turnover, if the product is no longer under production or the original manufacturer no longer provides maintenance, GIGABYTE will replace it with a substitute.

Caution

Recommended voltage is shown on DRAM label.
Always turn off your computer before installing or removing a memory module.
Only for specific Motherboards and/or CPUs can the product operate at specified data rate.
GIGABYTE will not be liable for any damage resulting from user's improper over-clocking application or usage.

Product Exchange and Information Required

Send the defective product back to the dealer where it was purchased.
During the procedure, we may need you to specify in detail the product's model, serial number, date of purchase and describe the trouble you came across.
To avoid damage due to poor packing, and/or shipping damage, use proper packing material when sending the device for service and repair.

After we receive the product requested for maintenance and confirm that the damage is due to the deficient manufacturing process or poor materials, we will immediately send you a well-functioning product.
GIGABYTE only accepts product exchanges if the full package is sent back. Full package meaning all the material inside the package has to be returned for a valid swap.

DECLARATION OF CONFORMITY

Per FCC Part 2 Section 2.1077(a)

Responsible Party Name: G.B.T. INC. (U.S.A.)
Address: 17358 Railroad Street
City of Industry, CA 91748
Phone/Fax No: (626) 854-9338/ (626) 854-9326

hereby declares that the product

Product Name: Memory Module
Model Number: GP-AR32C16S8K2HU416R

Conforms to the following specifications:

FCC Part 15, Subpart B, Section 15.107(a) and Section 15.109 (a),Class B Digital Device

Supplementary Information:

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 and (2) this device must accept any inference received, including that may cause undesired operation.

Representative Person's Name: ERIC LU
Signature: Eric Lu
Date: Nov. 12, 2018

Declaration of Conformity

We, Manufacturer/Importer,
G.B.T. Technology Trading GMbH
Address: **Bullenkoppel 16, 22047 Hamburg, Germany**
Declare that the product
Product Type: **Memory Module**
Product Name: **GP-AR32C16S8K2HU416R**

conforms with the essential requirements of the following directives:

☒ **EMC Directive 2014/30/EU:**
- ☒ Conduction & Radiated Emissions: EN 55032:2012+AC:2013
- ☒ Immunity: EN 55024:2010+A1:2015
- ☒ Power-line harmonics: EN 61000-3-2:2014
- ☒ Power-line flicker: EN 61000-3-3:2013

☒ **Low Voltage Directive 2014/35/EU:**
- ☒ Safety: EN60950-1:2006+A11:2009+A12:2011+A2:2013

☒ **RoHS Directive 2011/65/EU**
- ☒ Restriction of use of certain substances in electronic equipment: This product does not contain any of the restricted substances listed in Annex II, in concentrations and applications banned by the directive.

☒ **CE marking**

(Stamp) Date: Nov. 12, 2018 Signature: Timmy Huang Name: Timmy Huang

Memory Module Quick Installation Guide

English

Desktop Memory
16 GB Kit (2 x 8 GB) DDR4 3200
RGB Fusion

Installation Guide

1. Please turn off your computer and disconnect the AC power cord.
2. Before touching the DRAM module and/or any electronic components on the motherboard, make sure to touch a grounding metal object to discharge any static electricity that might be stored on your body or clothing.
3. If all memory slots are used, the memory with lower density shall be removed when installing a new memory.
4. Suggest to install memory with identical density & data rate on single system for better and stable performance.
5. Modules should only be inserted/ removed when the clips are in an open position.
6. During installation, make sure the memory module is properly aligned to the slot, then fully insert the module all the way into the slot. Proper installation should automatically force the retaining clips to a closed position. Always make sure the memory module is securely installed into the memory slot on your system.
7. Turn on the computer.

繁體中文

桌上型電腦記憶體
16 GB Kit (2 x 8 GB) DDR4 3200
RGB Fusion

安裝說明

1. 安裝前請務必確認電腦電源已經關閉，並將電源線拔除
2. 觸碰任何電子元件前或取出記憶體前，請務必先接觸可排放靜電物體
3. 請先檢視主機板上插槽是否插滿，再行安裝擴充記憶體
4. 建議安裝相同容量及頻率的記憶體以利較好的效能
5. 更換記憶體時，將插槽上的卡榫向下推即可彈出更換
6. 安裝記憶體時，記憶體下緣凹槽需與插槽上之凸起處對齊，用力將記憶體模組推入，卡榫將自動扣上
7. 確認記憶體模組被緊緊地安裝在記憶體插槽上

简体中文

台式机内存
16 GB Kit (2 x 8 GB) DDR4 3200频率
RGB Fusion

安装说明

1. 安装前请务必确认电脑电源已经关闭，并将电源线拔除
2. 触碰任何电子元件前或取出记忆体前，请务必先接触可排放静电物体
3. 请先检视主机板上插槽是否插满，再行安装扩充记忆体
4. 建议安装相同容量及频率的记忆体以利较好的效能
5. 更换记忆体时，将插槽上的卡榫向下推即可弹出更换
6. 安装记忆体时，记忆体下缘凹槽需与插槽上之凸起处对齐，用力将记忆体模组推入，卡榫将自动扣上
7. 确认记忆体模组被紧紧地安装在记忆体插槽上

한국어

데스크탑 메모리
16 GB 키트 (2 x 8 GB) DDR4 3200
RGB Fusion

설치 설명서

1. 컴퓨터의 전원을 종료한 후, AC 파워 코드를 뽑으십시오.
2. 메모리 모듈 또는, 메인 보드의 다른 전자 부품을 만지기 전에, 몸이나 옷의 정전기가 방전 될 수 있도록 접지 금속 물체를 만지십시오.
3. 현재 메인 보드의 모든 메모리 슬롯을 사용하고 있다면, 새 메모리 모듈을 설치하기 위해서는 이미 설치된 메모리 중 가장 작은 용량의 메모리 모듈을 제거하여 주십시오.
4. 하나의 데스크탑 PC 시스템에서 보다 안정적이고 나은 성능을 발현하기 위해서는 같은 용량, 같은 클럭 속도의 메모리를 설치하는 것을 권장합니다.
5. 메모리 모듈은 슬롯의 클립이 열렸을 때만 삽입 또는 제거가 가능합니다.
6. 올바른 설치를 위해 메모리 모듈이 슬롯에 올바르게 정렬되어 있는지 확인한 후, 모듈을 슬롯 안으로 끝까지 삽입하십시오. 올바르게 모듈이 설치가 되면, 클립이 자동으로 닫혀집니다. 항상 메모리 모듈이 데스크탑 PC의 메모리 슬롯에 단단히 설치되어 있는지 확인하십시오.

Português

Memória para Computadores
16 GB Kit (2x8GB) DDR4 3200
RGB Fusion

Installation Guide

1. Desligue o computador e desconecte o cabo de alimentação.
2. Antes de tocar no módulo DRAM e / ou em qualquer componente eletrônico da placa-mãe, certifique-se de tocar em um objeto de metal com aterramento para descarregar qualquer eletricidade estática que possa estar armazenada em seu corpo ou roupa.
3. Se todos os slots de memória estiverem em uso, a memória com menor densidade será removida ao instalar uma nova memória.
4. É Sugerido a instalação de memória com densidade e taxa de dados idênticas em um único sistema para melhor desempenho e estabilidade.
5. Os módulos só devem ser inseridos / removidos quando os clipes estiverem em uma posição aberta.
6. Durante a instalação, verifique se o módulo de memória está corretamente alinhado com o slot e insira totalmente o módulo na ranhura. A instalação adequada deve forçar automaticamente os clipes de retenção para a posição fechada. Certifique-se sempre de que o módulo de memória esteja firmemente instalado no slot de memória do sistema.

Deutsch

Desktop Speicher
16 GB Kit (2 x 8 GB) DDR4 3200
RGB Fusion

Installatiegids

1. Bitte schalten Sie Ihren Computer aus und ziehen Sie das Netzkabel ab.
2. Bevor Sie das DRAM-Modul und/oder elektronische Komponenten auf dem Motherboard berühren, stellen Sie sicher, dass Sie einen geerdeten Metallgegenstand berühren, um statische Elektrizität zu entladen, die auf Ihrem Körper oder Ihrer Kleidung gespeichert sein könnte.
3. Werden alle Speichersteckplätze genutzt, so muss bei der Installation eines neuen Speichers der Speicher mit geringerer Dichte entfernt werden.
4. Empfohlen wird die Installation von Speicher mit identischer Dichte und Datenrate auf einem einzelnen System für eine bessere und stabilere Leistung.
5. Module dürfen nur in geöffneter Position der Clips eingesetzt/entfernt werden.
6. Vergewissern Sie sich bei der Installation, dass das Speichermodul richtig auf den Steckplatz ausgerichtet ist, und stecken Sie es dann vollständig in den Steckplatz ein.
7. Die korrekte Montage sollte die Halteklammern automatisch in eine geschlossene Position bringen.
8. Vergewissern Sie sich immer, dass das Speichermodul fest in den Speichersteckplatz Ihres Systems eingebaut ist.

Español

Memoria Para PCs de Sobremesa
16 GB Kit (2 x 8 GB) DDR4 3200
RGB Fusion

Guía de Instalación

1. Apague la computadora y desconecte el cable de alimentación.
2. Antes de tocar el módulo DRAM y / o cualquier componente electrónico en la placa madre, asegúrese de tocar un objeto de metal con conexión a tierra para descargar la electricidad estática que pueda tener su cuerpo o en su ropa.
3. Si se utilizan todas las ranuras de memoria, se eliminará la memoria con menor densidad cuando se instale una nueva memoria.
4. Sugerimos instalar memorias con la misma densidad y velocidad de datos en un solo sistema para mejor rendimiento y estabilidad.
5. Los módulos solo deben insertarse/retirarse cuando los clips están en una posición abierta.
6. Durante la instalación, asegúrese de que el módulo de memoria esté alineado correctamente con la ranura, luego inserte completamente el módulo en la ranura. La instalación adecuada debería forzar automáticamente los clips de retención a una posición cerrada. Siempre asegúrese de que el módulo de memoria esté bien instalado en las ranuras de memoria de su sistema.

Русский

Комплект модулей ОЗУ для настольных ПК
16 Гбайт (2 x 8 Гбайт) DDR4 3200
RGB Fusion

инструкция по установке

1. Пожалуйста, выключите компьютер и отсоедините силовой кабель питания.
2. Прежде чем прикасаться к DRAM-модулю и/или любым электронным компонентам на материнской плате, обязательно коснитесь металлического предмета, способного выполнять функцию заземления, чтобы разрядить статическое электричество, которое может оставаться на Вашем теле или одежде.
3. Если планируется задействовать все DIMM-разъемы для модулей ОЗУ, до установки новой памяти модули с меньшей плотностью должны быть удалены. > Рекомендуем установить модули ОЗУ одинаковой плотности с идентичной скоростью передачи данных для максимальной производительности и стабильной работы системы.
4. Модули можно инсталлировать / удалять только в том случае, если фиксаторы находятся в открытом положении.
5. В процессе инсталляции убедитесь, что модуль памяти корректно сориентирован и выровнен по отношению к DIMM-разъему, а затем приложите равномерное усилие по всей длине модуля и установите его в разъем. Корректная инсталляция сопровождается автоматическим переводом фиксаторов в закрытое положение. Всегда следите за тем, чтобы модули памяти были установлены без перекосов и на всю глубину DIMM-разъемов.

日本語

デスクトップメモリ
16 GB キット (2 x 8 GB) DDR4 3200
RGB Fusion

インストールガイド

1. コンピュータの電源を切り、AC電源コードを抜いてください。
2. マザーボード上のDRAMモジュールや電子部品に触れる前に、身体や衣服に付着した静電気を放電するために、必ず接地金属の物体に触れてください。
3. すべてのメモリスロットを使用する場合は、新しいメモリを取り付ける際に、より少ない容量のメモリを取り外す必要があります。
4. より良い安定したパフォーマンスを得るには、システム上で単一の同じ容量かつ速さのメモリをインストールすることをお勧めいたします。
5. モジュールは、スロットのクリップが開いた位置にあるときにのみ挿抜できます。
6. 取り付け時に、メモリモジュールがスロットに正しく取り付けられていることを確認してから、モジュールをスロットに完全に挿入してください。適切な取り付けを行うと、保持クリップが自動的に閉じた位置に移動します。常にメモリモジュールがシステムのメモリスロットにしっかりと取り付けられていることを確認してください。

BSMI CNS15663 限用物質含有情況標示聲明書
Declaration of the Presence Condition of the Restricted Substances Marking

產品中有害物質的名稱及含量 / 有害物质 (Hazardous Substances)						
部件名称	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
电路板	○	○	○	○	○	○
电阻	× (注)	○	○	○	○	○
其他电子元件(除电容、电阻、芯片除外)	○	○	○	○	○	○
芯片	○	○	○	○	○	○

本表格依據SJ/T 11364的規定填制。
○：表示該有毒物質在該部件所有均質材料中的含量均在GB/T 26572規定的限量要求以下。
×：表示該有毒物質至少在該部件的某一均質材料中的含量超出GB/T 26572規定的限量要求。
注：意即产品中使用的至少一种均质材料中含有的有毒物质超过GB/T 26572的限值。本表格所提供的所有部件均符合欧盟RoHS法规2011/65/EU及RoHS指令例外条款三第27b-1条所述的豁免。

限用物質及其化學符號
Restricted substances and its chemical symbols

單元 Unit	鉛 (Pb)	汞 Mercury (Hg)	鎘 (Cd)	六價鉻 Hexavalent chromium (Cr6)	多溴聯苯 Polybrominated biphenyls (PBB)	多溴二苯醚 Polybrominated diphenyl ethers (PBDE)
電路板	○	○	○	○	○	○
電阻	-	○	○	○	○	○
其他電子元件(除電容、電阻、晶片除外)	○	○	○	○	○	○
晶片	○	○	○	○	○	○

備考1："超出0.1 wt %"及"超出0.01 wt %"係指限用物質之百分比含量超出百分比含量基準。
Note 1: "Exceeding 0.1 wt %" and "exceeding 0.01 wt %" indicate that the percentage content of the restricted substance exceeds the reference percentage value of presence condition.
備考2："○"係指該項限用物質之百分比含量未超出百分比含量基準。
Note 2: "○" indicates that the percentage content of the restricted substance does not exceed the percentage reference value of presence.
備考3："-"係指該項限用物質為非必要項目。
Note 3: "-" indicates that the restricted substance corresponds to the exemption.