

# GIGABYTE™

12WE6-A32G60R-10GR

## 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.

## Regulatory Notices

### United States of America, Federal Communications Commission Statement

#### Supplier's Declaration of Conformity 47 CFR § 2.1077 Compliance Information

Product Name: **Desktop Memory Module**  
Trade Name: **GIGABYTE**  
Model Number: **ARS32G60D5R**

Responsible Party – U.S. Contact Information: **G.B.T. Inc.**  
Address: 17358 Railroad street, City Of Industry, CA91748  
Tel.: 1-626-854-9338  
Internet contact information: <https://www.gigabyte.com>

#### FCC Compliance Statement:

This device complies with Part 15 of the FCC Rules, Subpart B, Unintentional Radiators. 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 manufacturer's 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 to 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.

### Canadian Department of Communications Statement

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications. This class B digital apparatus complies with Canadian ICES-003.

### Avis de conformité à la réglementation d'Industrie Canada

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

### European Union (EU) CE Declaration of Conformity

This device complies with the following directives: Electromagnetic Compatibility Directive 2014/30/EU, Low-voltage Directive 2014/35/EU, RoHS directive (recast) 2011/65/EU & the 2015/863 Statement. This product has been tested and found to comply with all essential requirements of the Directives.

### European Union (EU) RoHS (recast) Directive 2011/65/EU & the European Commission Delegated Directive (EU) 2015/863 Statement

GIGABYTE products have not intended to add and safe from hazardous substances (Cd, Pb, Hg, Cr+6, PBDE, PBB, DEHP, BBP, DBP and DIBP). The parts and components have been carefully selected to meet RoHS requirement. Moreover, we at GIGABYTE are continuing our efforts to develop products that do not use internationally banned toxic chemicals.

### European Union (EU) Community Waste Electrical & Electronic Equipment (WEEE) Directive Statement

GIGABYTE will fulfill the national laws as interpreted from the 2012/19/EU WEEE (Waste Electrical and Electronic Equipment) (recast) directive. The WEEE Directive specifies the treatment, collection, recycling and disposal of electric and electronic devices and their components. Under the Directive, used equipment must be marked, collected separately, and disposed of properly.

### WEEE Symbol Statement



The symbol shown below is on the product or on its packaging, which indicates that this product must not be disposed of with other waste. Instead, the device should be taken to the waste collection centers for activation of the treatment, collection, recycling and disposal procedure.

For more information about where you can drop off your waste equipment for recycling, please contact your local government office, your household waste disposal service or where you purchased the product for details of environmentally safe recycling.

### End of Life Directives-Recycling



The symbol shown below is on the product or on its packaging, which indicates that this product must not be disposed of with other waste. Instead, the device should be taken to the waste collection centers for activation of the treatment, collection, recycling and disposal procedure.

### Déclaration de Conformité aux Directives de l'Union européenne (UE)

Cet appareil portant la marque CE est conforme aux directives de l'UE suivantes: directive Compatibilité Electromagnétique 2014/30/UE, directive Basse Tension 2014/35/UE et directive RoHS II 2011/65/UE & la déclaration 2015/863.

La conformité à ces directives est évaluée sur la base des normes européennes harmonisées applicables.

### European Union (EU) CE-Konformitätserklärung

Dieses Produkte mit CE-Kennzeichnung erfüllen folgenden EU-Richtlinien: EMV-Richtlinie 2014/30/EU, Niederspannungsrichtlinie 2014/30/EU, Ökodesign-Richtlinie 2009/125/EC, RoHS-Richtlinie 2011/65/EU erfüllt und die 2015/863 Erklärung. Die Konformität mit diesen Richtlinien wird unter Verwendung der entsprechenden Standards zur Europäischen Normierung beurteilt.

### CE declaração de conformidade

Este produto com a marcação CE estão em conformidade com das seguintes Diretivas UE: Diretiva Baixa Tensão 2014/35/EU; Diretiva CEM 2014/30/EU; Diretiva Conceção Ecológica 2009/125/CE; Diretiva RSP 2011/65/UE e a declaração 2015/863. A conformidade com estas diretivas é verificada utilizando as normas europeias harmonizadas.

### CE Declaración de conformidad

Este producto que llevan la marca CE cumplen con las siguientes Directivas de la Unión Europea: Directiva EMC (2014/30/EU), Directiva de bajo voltaje (2014/35/EU), Directiva de Ecodiseño (2009/125/EC), Directiva RoHS (recast) (2011/65/EU) y la Declaración 2015/863. El cumplimiento de estas directivas se evalúa mediante las normas europeas armonizadas.

### Contact point for EU based customers

G.B.T. Technology Trading GmbH  
Am Stadtrand 63, 22047 Hamburg, Germany  
tel: +49-40-25 33 040

# Memory Module Quick Installation Guide

## English

Desktop Memory
32 GB Kit (2 x 16 GB) DDR5 6000 MHz

### Installation Guide

- Please turn off your computer and disconnect the AC power cord.
- 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.
- If all memory slots are used, the memory with lower density shall be removed when installing a new memory.
- Suggest to install memory with identical density & data rate on single system for better and stable performance.
- Modules should only be inserted/ removed when the clips are in an open position.
- 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.
- Turn on the computer.

## Deutsch

Desktop Speicher
32 GB Kit (2 x 16 GB) DDR5 6000 MHz

### Installatiegids

- Bitte schließen Sie Ihren Computer aus und ziehen Sie das Netzkabel ab.
- 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.
- Werden alle Speichersteckplätze genutzt, so muss bei der Installation eines neuen Speichers der Speicher mit geringerer Dichte entfernt werden.
- Empfohlen wird die Installation von Speicher mit identischer Dichte und Datenrate auf einem einzelnen System für eine bessere und stabilere Leistung.
- Module dürfen nur in geöffneter Position der Clips eingesetzt/entfernt werden.
- 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.
- Die korrekte Montage sollte die Halteklammern automatisch in eine geschlossene Position bringen.
- Vergewissern Sie sich immer, dass das Speichermodul fest in den Speichersteckplatz Ihres Systems eingebaut ist.

## 繁體中文

桌上型電腦記憶體
32 GB Kit (2 x 16 GB) DDR5 6000 MHz

### 安裝說明

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

## Español

Memoria Para PCs de Sobremesa
32 GB Kit (2 x 16 GB) DDR5 6000 MHz

### Guía de Instalación

- Apague la computadora y desconecte el cable de alimentación.
- 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.
- Si se utilizan todas las ranuras de memoria, se eliminará la memoria con menor densidad cuando se instale una nueva memoria.
- Sugerimos instalar memorias con la misma densidad y velocidad de datos en un solo sistema para mejor rendimiento y estabilidad.
- Los módulos solo deben insertarse/retirarse cuando los clips están en una posición abierta.
- 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.

## 简体中文

台式机内存
32 GB Kit (2 x 16 GB) DDR5 6000 频率

### 安裝說明

- 安裝前請務必確認電腦電源已經關閉，並將電源線拔除。
- 觸碰任何電子元件前或取出記憶体前，請務必先接觸可排洩靜電物体。
- 請先檢視主機板上插槽是否插滿，再行安裝擴充記憶体。
- 建議安裝相同容量及頻率的記憶体以較好的效能。
- 更換記憶体時，將插槽上的卡榫向下推即可彈出更換。
- 安裝記憶体時，記憶体下緣凹槽需與插槽上之凸起處對齊，用力將記憶体模組插入，卡榫將自動扣上。
- 確認記憶体模組被緊緊地安裝在記憶体插槽上。

## Русский

Комплект модулей ОЗУ для настольных ПК
32 Гбайт (2 x 16 Гбайт) DDR5 6000 MHz

### инструкция по установке

- Пожалуйста, выключите компьютер и отсоедините силовую кабель питания.
- 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.
- 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 производительностью и стабильной работы системы.
- Модули можно инсталлировать / удалять только в том случае, если фиксаторы находятся в открытом положении.
- 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.

## 한국어

데스크탑 메모리
32 GB 키트 (2 x 16 GB) DDR5 6000 MHz

### 설치 설명서

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

## 日本語

デスクトップメモリ
32 GB キット (2x16 GB) DDR5 6000 MHz

### インストールガイド

- 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。
- 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。
- 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。
- より良い安定したパフォーマンスを得るには、システム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。
- 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。
- 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。

## Português

Memória para Computadores
32 GB Kit (2 x 16 GB) DDR5 6000 MHz

### Installation Guide

- Desligue o computador e desconecte o cabo de alimentação.
- 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.
- Se todos os slots de memória estiverem em uso, a memória com menor densidade será removida ao instalar uma nova memória.
- É Sugerido a instalação de memória com densidade e taxa de dados idênticas em um único sistema para melhor desempenho e estabilidade.
- Os módulos só devem ser inseridos / removidos quando os cliques estiverem em uma posição aberta.
- 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 cliques de retenção para a posição fechada. Certifique-se sempre de que o módulo de memória esteja firmemente instalado no slot de memória do sistema.

关于符合中国《电器电子产品有害物质限制使用管理办法》的声明
Administrative Measures for the Restricted Use of Hazardous Substances in Electrical and Electronic Products (China RoHS Declaration)

产品中有害物质的名称及含量 <p>Hazardous Substances Table</p>						
部件名称(Parts)	有害物质(Hazardous Substances)					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr <sup>+</sup> )	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
印刷电路板总成 <p>PCB Assembly</p>	×	○	○	○	○	○
芯片 <p>Chip</p>	○	○	○	○	○	○
散热片 <p>Heat Sink</p>	○	○	○	○	○	○
其他塑胶组件 (设计选配) <p>Other plastic components (Design options)</p>	○	○	○	○	○	○
These tables are prepared in accordance with the provisions of SJT 11364 <p>本表格依据SJT 11364 的规定编制。</p> <p>○：The content of such hazardous substance in all homogeneous materials of such component is below the limit required by GB/T 26572. <p>表示该有害物质在该部件所有均质材料中的含量均在GB/T 26572 规定的限量要求以下。</p> <p>×：The content of such hazardous substance in a certain homogeneous material of such component is beyond the limit required by GB/T 26572. <p>表示该有害物质至少在该部件的某一均质材料中的含量超出GB/T 26572 规定的限量要求。</p></p></p>						
BSMI CNS15663 限用物質含有情況標示聲明書 <p>Declaration of the Presence Condition of the Restricted Substances Marking</p>						
設備名稱：Desktop Memory Module <p>Equipment name</p>			型號（型式）：ARS32G60DSR <p>Type designation (Type)</p>			
單元Unit	限用物質及其化學符號 <p>Restricted substances and its chemical symbols</p>					
	鉛 <p>Lead (Pb)</p>	汞 <p>Mercury (Hg)</p>	鎘 <p>Cadmium (Cd)</p>	六價鉻 <p>Hexavalent chromium (Cr<sup>+</sup>)</p>	多溴聯苯 <p>Polybrominated biphenyls (PBB)</p>	多溴二苯醚 <p>Polybrominated diphenyl ethers (PBDE)</p>
印刷電路板總成 <p>PCB Assembly</p>	–	○	○	○	○	○
晶片 <p>Chip</p>	○	○	○	○	○	○
散熱片 <p>Heat Sink</p>	○	○	○	○	○	○
其他塑膠组件 (設計選配) <p>Other plastic components (Design options)</p>	○	○	○	○	○	○
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值。 <p>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.</p>						
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值。 <p>Note 2: “○” indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence.</p>						
備考3. “-”係指該項限用物質為排除項目。 <p>Note 3: The “-” indicates that the restricted substance corresponds to the exemption.</p>						