**Dell DELL-YHG6V**

# Dell 32GB DDR5 CAMM 5600 MHz Memory Module
### USER MANUAL

## 1. Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your Dell 32GB DDR5 CAMM 5600 MHz Memory Module (Model: DELL-YHG6V). Please read this manual thoroughly before proceeding with installation to ensure optimal performance and to prevent damage to the module or your system. The Dell CAMM (Compression Attached Memory Module) offers high-speed DDR5 memory in a compact form factor, designed for compatible Dell systems to enhance performance and multitasking capabilities.
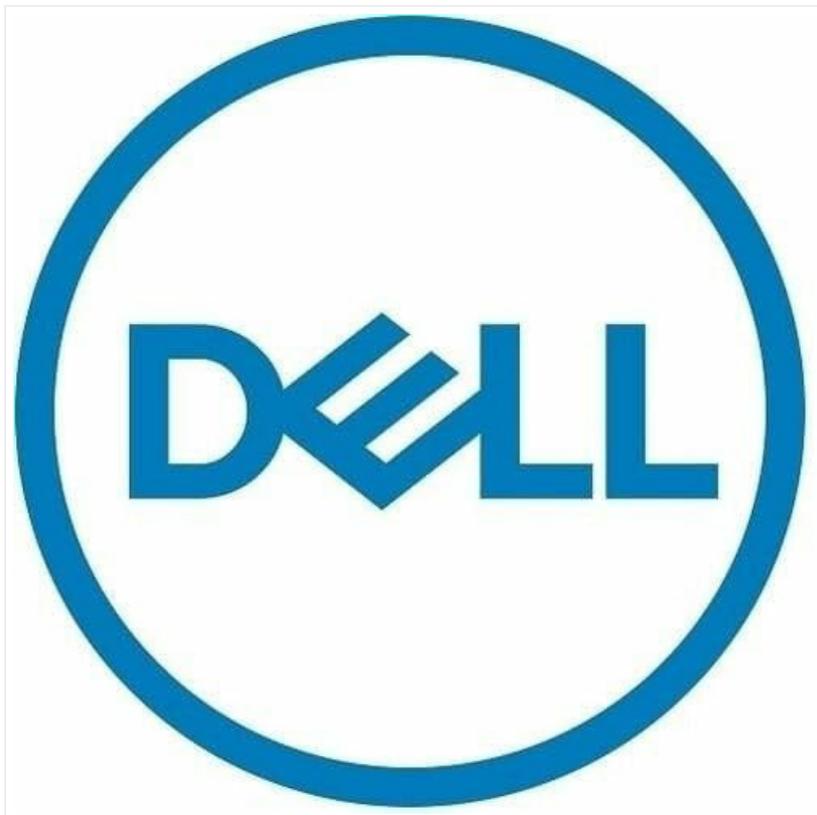


**Figure 1:** Dell 32GB DDR5 CAMM 5600 MHz Memory Module. This image shows the overall appearance of the memory module.

## 2. Safety Information

- Always disconnect power from your computer before installing or removing any components.
- Wear an anti-static wrist strap or frequently touch a grounded metal object to discharge static electricity, which can damage electronic components.
- Handle the memory module by its edges to avoid touching the gold connectors or integrated circuits.
- Ensure proper ventilation when working inside your computer.
- Keep the module away from liquids and extreme temperatures.

## 3. Setup and Installation

### 3.1 Pre-installation Checklist

- Ensure your system is compatible with DDR5 CAMM modules. Refer to your system's documentation.
- Gather necessary tools: Phillips-head screwdriver, anti-static wrist strap.
- Back up important data before performing hardware changes.

### 3.2 Installation Steps

1. **Power Off and Disconnect:** Shut down your computer completely and disconnect all power cables and peripherals.
2. **Open System Case:** Open your computer's case according to its manufacturer's instructions.
3. **Locate CAMM Slot:** Identify the CAMM slot on your motherboard. It is typically a larger, rectangular slot designed specifically for CAMM modules.
4. **Prepare Slot:** If an existing CAMM module is present, carefully unlatch its retaining clips and remove it.
5. **Insert New Module:** Align the Dell 32GB DDR5 CAMM module with the slot, ensuring the notch on the module matches the key in the slot. Gently press down evenly on both ends of the module until it clicks into place and the retaining clips secure it. Do not force the module.
6. **Secure Module:** Some CAMM designs may require securing with screws. Refer to your system's manual for specific instructions.
7. **Close System Case:** Reassemble your computer's case.
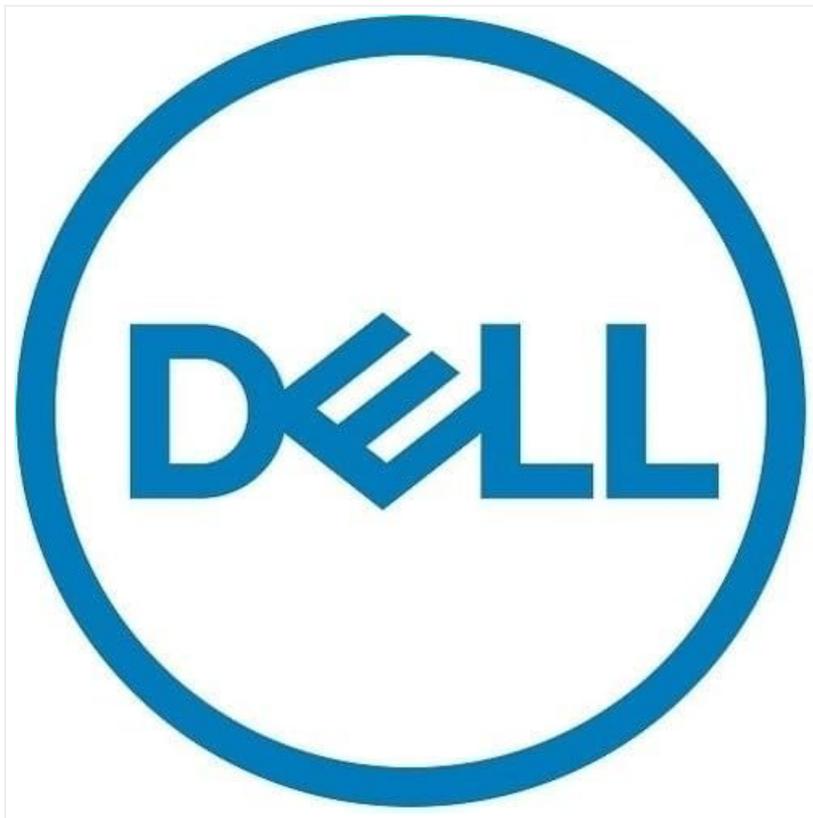8. **Reconnect Power:** Reconnect all power cables and peripherals.

**Figure 2:** Close-up view of the Dell 32GB DDR5 CAMM module. This image highlights the connectors and form factor relevant for installation.

### 3.3 Post-installation Configuration

After installation, power on your computer. The system should automatically detect the new memory. You may need to enter the BIOS/UEFI settings to verify the memory is recognized and operating at the correct speed (5600 MHz). If the system does not boot or recognize the memory, refer to the Troubleshooting section.

## 4. Operating Information

The Dell 32GB DDR5 CAMM 5600 MHz Memory Module operates automatically once correctly installed and recognized by your system. It provides high-speed data access for your processor, improving overall system responsiveness and enabling smoother multitasking and demanding applications.

- **Performance:** The 5600 MHz speed ensures rapid data transfer, crucial for modern applications and gaming.
- **Capacity:** 32GB capacity allows for extensive multitasking and handling large datasets without performance degradation.
- **Compatibility:** Designed for Dell systems supporting CAMM DDR5 memory.

## 5. Maintenance

Memory modules generally require minimal maintenance. Follow these guidelines to ensure longevity:

- **Cleaning:** If necessary, gently clean the module with a soft, dry, lint-free cloth. Do not use liquid cleaners or solvents.
- **Environment:** Operate your computer in a clean, dust-free environment with adequate airflow to prevent overheating and dust accumulation on components.
- **Handling:** When handling the module, always use anti-static precautions and hold it by the edges.

## 6. Troubleshooting

If you encounter issues after installing the memory module, consider the following troubleshooting steps:

| Problem | Possible Cause | Solution |
|---|---|---|
| System does not boot or displays error codes. | Module not seated correctly, incompatibility, or faulty module. | <ul><li>Ensure the module is fully seated in the CAMM slot.</li><li>Verify system compatibility with DDR5 CAMM.</li><li>Test with original memory (if available) to isolate the issue.</li></ul> |
| System boots but memory capacity is incorrect. | Module not fully recognized, BIOS/UEFI settings. | <ul><li>Check BIOS/UEFI settings to confirm memory detection.</li><li>Reseat the module.</li><li>Update system BIOS/UEFI to the latest version.</li></ul> |
| System instability or crashes. | Faulty module, overheating, or compatibility issues. | <ul><li>Run memory diagnostic tools (e.g., Windows Memory Diagnostic).</li><li>Ensure adequate system cooling.</li><li>Contact Dell Support if issues persist.</li></ul> |

## 7. Specifications

| Feature | Detail |
|---|---|
| **Brand** | Dell |
| **Model Number** | DELL-YHG6V |
| **RAM Capacity** | 32 GB |
| **Memory Technology** | DDR5 SDRAM (CAMM) |
| **Memory Speed** | 5600 MHz |
| **Compatible Devices** | Desktop, Laptop, Server (specifically Dell systems supporting CAMM) |
| **Item Weight** | 3.52 ounces (approx. 100 grams) |
| **Product Dimensions (LxWxH)** | 11.02 x 4.53 x 1.57 inches (approx. 28 x 11.5 x 4 cm) |
| **Voltage** | 6 Volts *(Note: This might be a typo in the source data, typical DDR5 voltage is around 1.1V-1.4V. Users should refer to their system's specific requirements.)* |

## 8. Warranty Information

This Dell memory module is covered by Dell's standard limited warranty. The specific terms and duration of the warranty may vary based on your region and the system it was purchased with or for. Please refer to the warranty documentation included with your Dell system or visit the official Dell support website for detailed warranty information.
*Retain your proof of purchase for warranty claims.*

## 9. Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Dell Customer Support.

- **Online Support:** Visit the official Dell Support website for drivers, manuals, and troubleshooting guides.
- **Phone Support:** Refer to your system's documentation or the Dell website for regional contact numbers.
- When contacting support, please have your system's Service Tag and the memory module's model number (DELL-YHG6V) available.