

Computer Memory Solutions CM2048642666DIMMX4

Computer Memory Solutions 64GB DDR4 2666MHz Non-ECC DIMM Memory Module Installation Guide for HP Omen Desktop 880 Series

Model: CM2048642666DIMMX4

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Computer Memory Solutions 64GB (4x16GB) DDR4 2666MHz Non-ECC DIMM memory modules. These modules are specifically designed for compatibility with HP Omen Desktop 880-040, 880-130, 880-153na, and 880-191 series computers. Please read this guide thoroughly before proceeding with installation to ensure proper function and to prevent damage to your system or memory modules.

SAFETY INFORMATION

Always observe the following safety precautions when handling computer components:

- **Power Off:** Ensure your computer is completely powered off and unplugged from the wall outlet before opening the case.
- **Static Electricity:** Static electricity can damage electronic components. Ground yourself by touching a metal part of the computer chassis before handling memory modules. Consider using an anti-static wrist strap.
- **Handle with Care:** Hold memory modules by their edges, avoiding contact with the gold connectors or the chips.
- **Ventilation:** Ensure adequate ventilation around your computer to prevent overheating.

PACKAGE CONTENTS

Your package should contain the following items:

- Four (4) 16GB DDR4 2666MHz Non-ECC DIMM Memory Modules
- This Instruction Manual

SETUP AND INSTALLATION

Follow these steps to install the memory modules into your HP Omen Desktop 880 series computer:

1. Prepare Your System:

- Shut down your computer completely.
- Unplug the power cord and all other cables (monitor, keyboard, mouse, etc.) from the back of the computer.
- Move the computer to a clean, flat, and well-lit workspace.
- Ground yourself to discharge any static electricity.

2. Open the Computer Case:

Refer to your HP Omen Desktop 880 series user manual for specific instructions on how to safely open your computer's side panel. Typically, this involves removing a few screws and sliding the panel off.

3. Locate DIMM Slots:

Inside your computer, locate the DIMM (Dual In-line Memory Module) slots on the motherboard. Your HP Omen Desktop 880 series typically has four slots. Note the existing memory configuration if you are upgrading.

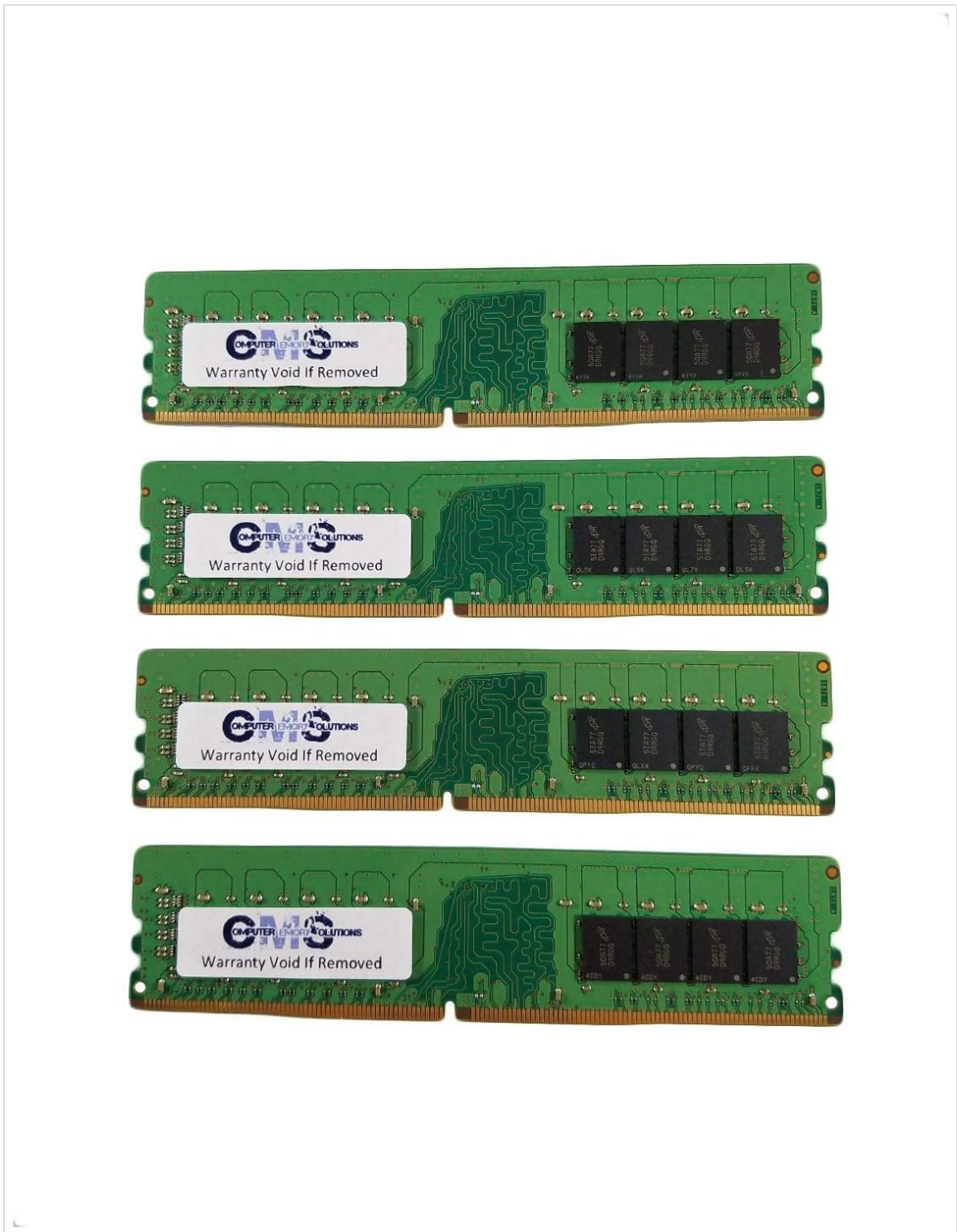


Image 1: Four Computer Memory Solutions 16GB DDR4 memory modules. These modules are designed for easy installation into compatible DIMM slots.

4. Install Memory Modules:

- If replacing existing memory, gently push down on the clips at both ends of the DIMM slot to release the old module, then carefully remove it.
- Align the notch on the new memory module with the key in the DIMM slot. The module will only fit one way.
- Place the module into the slot and press down firmly and evenly on both ends until the clips snap into place, securing the module.
- Install all four 16GB modules into the available DIMM slots. For optimal performance, install modules in matched pairs, following your motherboard's recommended slot configuration (refer to your HP Omen Desktop manual if unsure).



Image 2: Angled view of the four Computer Memory Solutions DDR4 memory modules, showing the gold contacts and the "Warranty Void If Removed" sticker.

5. Close the Computer Case:

Once all modules are securely installed, reattach the side panel of your computer and secure it with the screws you removed earlier.

6. Reconnect and Power On:

Reconnect all cables to your computer and plug in the power cord. Power on your computer. The system should automatically detect the new memory. A 64-bit operating system is required to fully utilize 4GB or more of memory.

OPERATING

Once installed, the memory modules operate automatically. Your operating system and applications will utilize the increased memory capacity to improve system performance, multitasking, and responsiveness. No specific user interaction is required for the memory modules to function.

MAINTENANCE

Memory modules generally require minimal maintenance. To ensure their longevity and optimal performance:

- **Keep Dust-Free:** Periodically clean the interior of your computer case to prevent dust buildup, which can impede airflow and lead to overheating. Use compressed air for this purpose.
- **Avoid Physical Stress:** Do not bend or apply excessive force to the memory modules.
- **Environmental Conditions:** Operate your computer in a stable environment, avoiding extreme temperatures or humidity.

TROUBLESHOOTING

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

- **System Does Not Boot or Beeps:**

- Ensure all memory modules are fully seated in their slots and the clips are locked.
- Try reseating the modules.
- If you have multiple modules, try installing them one at a time to identify a potentially faulty module.
- Consult your HP Omen Desktop manual for specific beep codes related to memory issues.

- **Incorrect Memory Amount Detected:**

- Verify that your operating system is 64-bit. 32-bit operating systems cannot utilize more than 4GB of RAM.
- Check your system's BIOS/UEFI settings to ensure the memory is detected correctly.
- Ensure modules are installed in the correct slots for dual-channel operation, if applicable, as per your motherboard manual.

- **System Instability or Crashes:**

- Run a memory diagnostic tool (e.g., Windows Memory Diagnostic) to check for errors.
- Ensure your motherboard's BIOS/UEFI is up to date.

SPECIFICATIONS

Brand	Computer Memory Solutions
Model Number	CM2048642666DIMMX4
Memory Type	DDR4 Non-ECC DIMM
Capacity	64GB (4 x 16GB)
Speed	2666MHz (PC4-21300)
Voltage	1.2 Volts
Pin Count	288-pin
Compatibility	HP Omen Desktop 880-040, 880-130, 880-153na, 880-191
Dimensions (LxWxH)	5.25 x 0.15 x 1.24 inches

WARRANTY AND SUPPORT

Computer Memory Solutions provides a **limited lifetime warranty** against manufacturing defects when purchased directly from Computer Memory Solutions. This warranty ensures exchange or repair for defective modules. For technical support or warranty claims, please contact Computer Memory Solutions directly. Refer to the contact information provided with your purchase or visit the official Computer Memory Solutions website for assistance.

Note: Product appearance may vary. Pictures are for reference only.