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› [OWC 64GB \(8x8GB\) DDR3 ECC Memory Module Instruction Manual for Mac Pro](#)

OWC OWC1333D3W8M64K

OWC 64GB (8x8GB) DDR3 ECC Memory Module Instruction Manual

Model: OWC1333D3W8M64K

1. INTRODUCTION AND OVERVIEW

This manual provides essential information for the installation and use of your OWC 64GB (8x8GB) DDR3 ECC PC3-10600 1333MHz SDRAM Memory Upgrade Module. This memory kit is designed to enhance the performance of compatible Mac Pro systems by increasing available RAM.

The OWC memory modules feature Error-Correcting Code (ECC) for improved data integrity and system stability, crucial for professional workstations. This kit includes eight 8GB DDR3 modules, totaling 64GB, operating at 1333MHz.



64GB KIT (8X8GB) DDR3 PC3-10600 1333MHz ECC DIMM FOR MAC PRO

Figure 1: OWC 64GB (8x8GB) DDR3 ECC Memory Upgrade Kit packaging.

2. SETUP AND INSTALLATION

Before beginning the installation process, ensure your computer is powered off and disconnected from all power sources. It is recommended to wear an anti-static wrist strap to prevent electrostatic discharge (ESD), which can damage electronic components.

2.1 Compatibility

This memory kit is compatible with the following Mac Pro models:

- Mac Pro 12-Core (Model ID: MacPro5,1)
- Mac Pro 8-Core (Model ID: MacPro4,1)

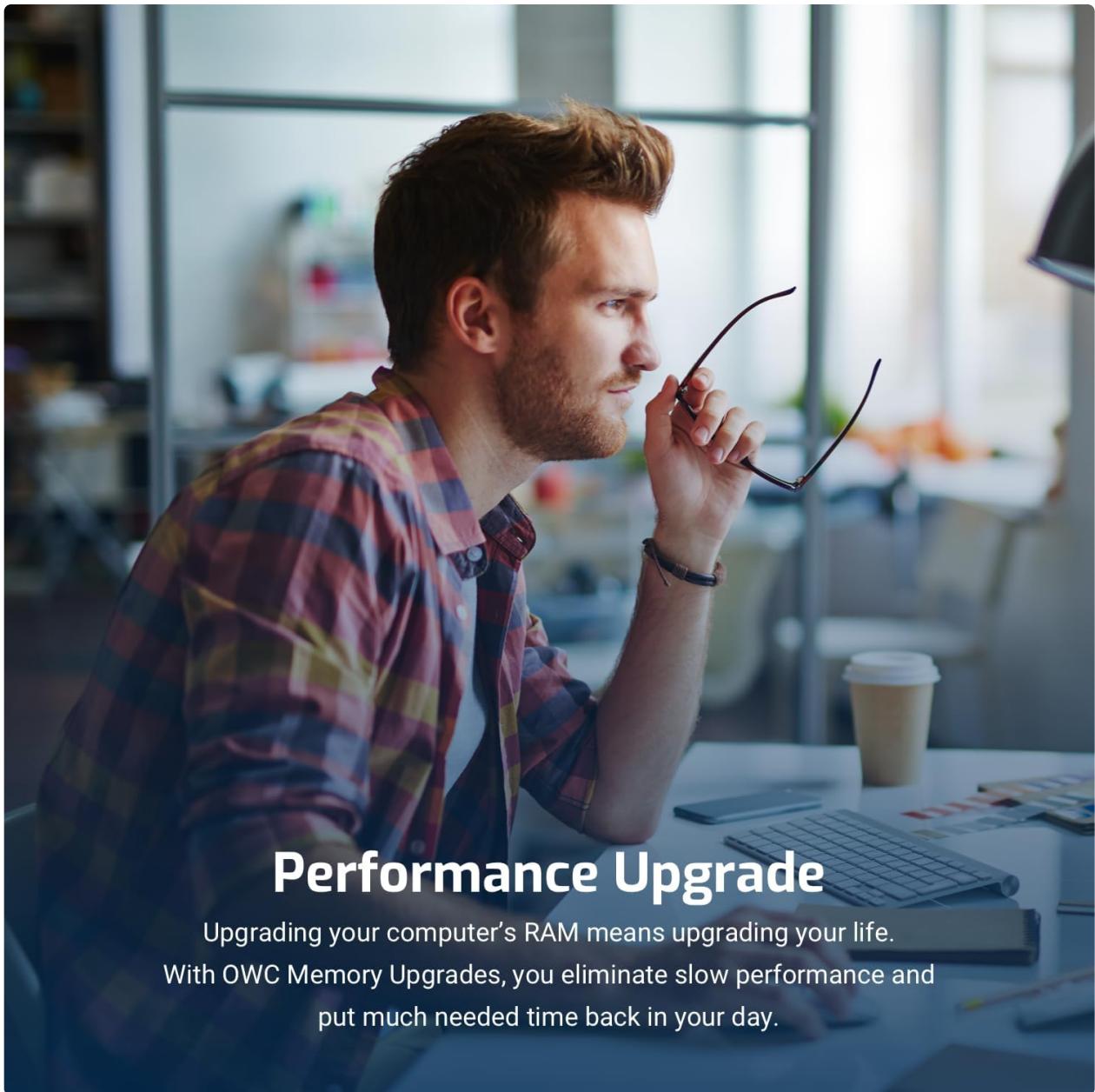
It is also compatible with PC desktops featuring Intel/AMD processors that support DDR3 ECC 1333MHz 240-pin DIMM memory at 1.5V.



Figure 2: OWC DDR3 ECC Unbuffered DIMM compatibility information.

2.2 Installation Steps (General Guidelines)

1. **Power Down:** Shut down your computer completely and unplug the power cord.
2. **Open Case:** Open your computer's case to access the motherboard and memory slots. Refer to your computer's specific service manual for instructions on opening the case and accessing memory.
3. **Locate Memory Slots:** Identify the DIMM slots on your motherboard. For Mac Pro systems, this typically involves sliding out the memory tray.
4. **Remove Existing Modules (if applicable):** If upgrading, gently unclip and remove any existing memory modules. Store them safely.
5. **Install New Modules:** Align the notch on the OWC DDR3 memory module with the key in the DIMM slot. Press down firmly and evenly on both ends of the module until the retaining clips snap into place. Ensure all eight modules are installed in the correct slots as per your system's memory configuration guidelines.



Performance Upgrade

Upgrading your computer's RAM means upgrading your life.
With OWC Memory Upgrades, you eliminate slow performance and
put much needed time back in your day.

Figure 3: Interior view of a Mac Pro with the memory tray partially open, showing memory slots for module installation.



How It All Started

Our story starts with a kid in a barn who dared to dream big in rural Illinois. For others, their path to success may have begun differently, but many of these stories have one thing in common – "Computing."

Figure 4: OWC Memory Installation information, highlighting included instructions and support options.

6. **Close Case:** Once all modules are securely installed, close your computer's case.

7. **Power On:** Reconnect the power cord and power on your computer. The system should automatically detect the new memory. Verify the installed memory in your operating system's system information.

3. PERFORMANCE AND FUNCTIONALITY

The OWC DDR3 ECC memory modules are engineered for reliable performance and stability. ECC (Error-Correcting Code) memory detects and corrects the most common kinds of internal data corruption, which is critical for servers, workstations, and systems where data integrity is paramount.

Operating at 1333MHz with a PC3-10600 rating, these modules provide a significant boost in data transfer rates, contributing to overall system responsiveness and the ability to handle demanding applications more efficiently.



Figure 5: OWC DDR3 ECC Unbuffered DIMM designed for speed and performance.

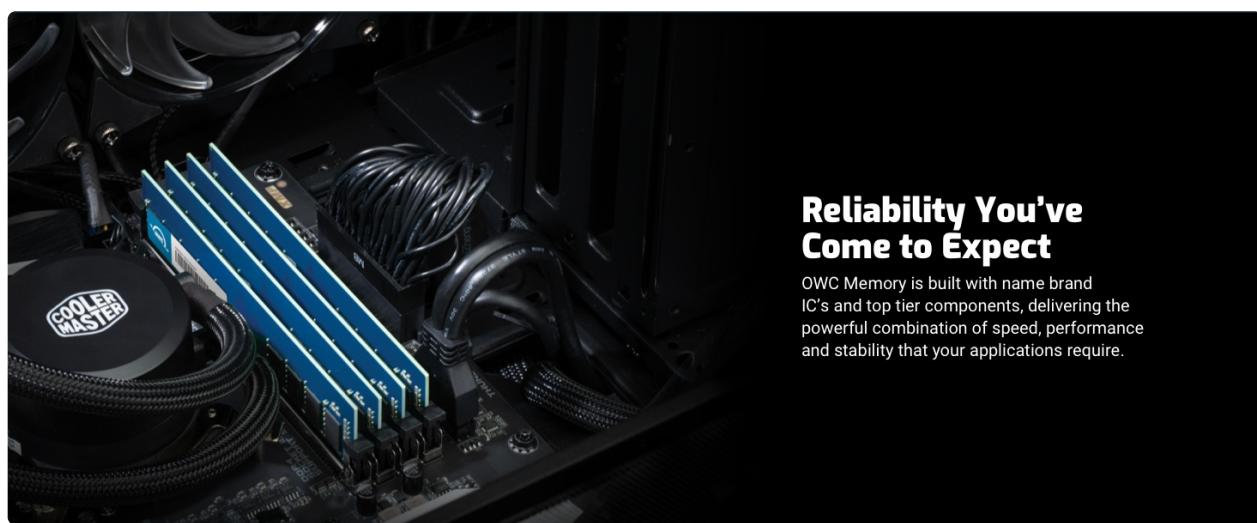


Figure 6: OWC Memory is built with quality components for reliability.

4. MAINTENANCE

OWC DDR3 ECC memory modules are designed to be maintenance-free. Once installed correctly, they do not require any regular user intervention or cleaning.

To ensure optimal performance and longevity of your memory and computer system, it is recommended to:

- Keep your computer's interior clean from dust buildup, which can impede airflow and lead to overheating.
- Ensure adequate ventilation around your computer to prevent heat accumulation.

5. TROUBLESHOOTING

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

- **System Not Booting:** If your computer does not power on or display anything after installation, ensure all memory modules are fully seated in their slots. Gently press down on each end of the modules until the retaining clips click into place.
- **Incorrect Memory Detection:** If your operating system reports less memory than installed, verify that all modules are compatible with your system and that they are installed in the correct configuration as per your computer's manual. Try re-seating the modules.
- **System Instability/Crashes:** This could indicate a faulty module or improper installation. Try testing modules individually if possible, or in smaller groups, to isolate the issue.
- **BIOS/UEFI Settings:** In some cases, you may need to check your system's BIOS/UEFI settings to ensure memory is detected correctly and running at the optimal speed.

For persistent issues, refer to the [Warranty and Support](#) section for contact information.

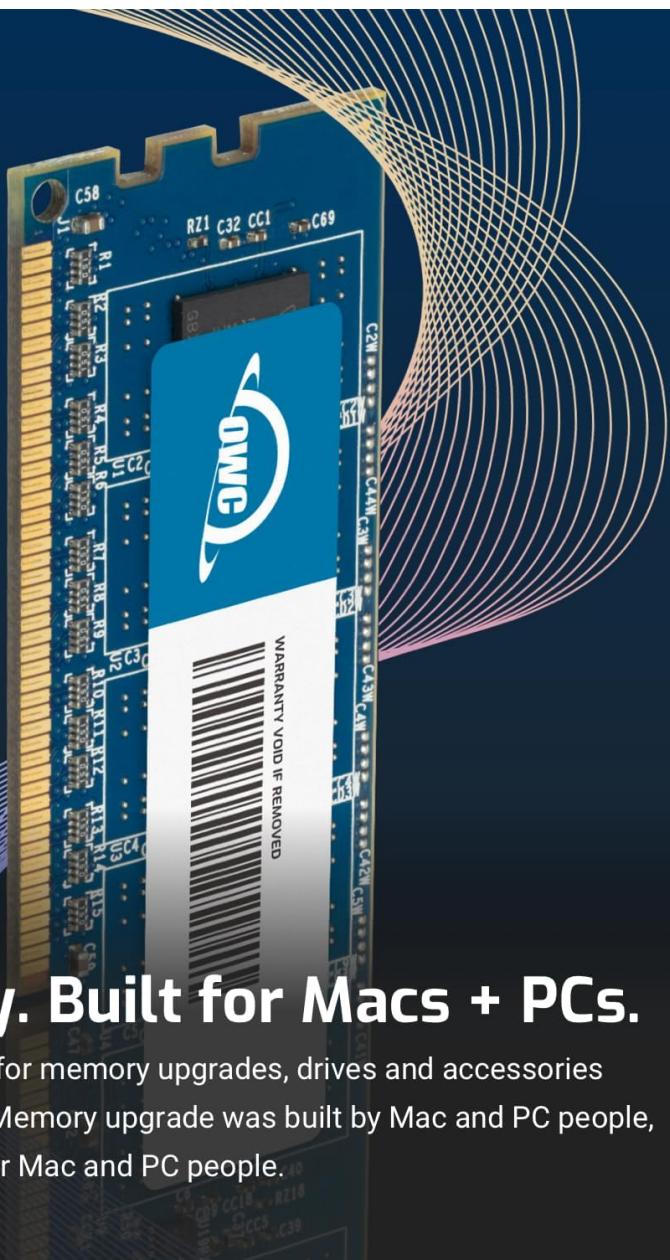
6. SPECIFICATIONS

Feature	Detail
Brand	OWC
Model Number	OWC1333D3W8M64K
RAM Size	64 GB (8 x 8GB)
RAM Memory Technology	DDR3 SDRAM
Computer Memory Type	ECC Unbuffered DIMM
Memory Speed	1333 MHz (PC3-10600)
Voltage	1.5 Volts
Pin Count	240-pin
Compatible Devices	Mac Pro 2009-2012 (Nehalem & Westmere models), PC Desktops
Item Weight	5.6 ounces
Product Dimensions	6.26 x 4.02 x 1.54 inches

Form Factor
ECC UNBUFFERED DIMM

Type of Memory
DDR3

Pin Count
240-pin



OWC Memory. Built for Macs + PCs.

Rely on the trusted name for memory upgrades, drives and accessories for over 30 years. Your OWC Memory upgrade was built by Mac and PC people, for Mac and PC people.

Figure 7: Close-up of an OWC DDR3 ECC memory module, detailing form factor, type, and pin count.

7. WARRANTY AND SUPPORT

OWC stands behind its products with comprehensive warranty and support services.

7.1 Lifetime Limited Warranty

Your OWC memory module is covered by a Lifetime Limited Warranty. This warranty includes an Advanced Replacement Program, meaning if you experience an issue, OWC can ship replacement memory to you immediately, minimizing downtime.

7.2 Technical Support

Experienced technical support is available to assist you with any questions or issues regarding your OWC memory. You can reach the OWC Tech Support Team via phone, chat, or email.



For All Computerkind

Computing levels the playing field. It makes what was once only capable by those with means, available for everyone. Computing shatters the barriers of what's possible. So we can all be empowered to dream big.

Figure 8: OWC warranty and support information, detailing lifetime replacement and available tech support.

For the most current contact information and detailed warranty terms, please visit the official OWC website.

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