TEAMGROUP CTCED532G7200HC34ADC01

TEAMGROUP T-Create Expert DDR5 32GB (2x16GB) 7200MHz Desktop Memory Module Instruction Manual

Model: CTCED532G7200HC34ADC01
Brand: TEAMGROUP

1. Introduction

This manual provides essential information for the installation, operation, and maintenance of your TEAMGROUP T-Create Expert DDR5 32GB (2x16GB) 7200MHz Desktop Memory Module. Please read this manual thoroughly before installation to ensure proper functionality and to maximize the performance of your system.



Image 1.1: Two TEAMGROUP T-Create Expert DDR5 memory modules.

2. Key Features

- **Outstanding Performance:** Engineered for high-speed data processing and demanding applications.
- **DDR5 Technology:** Utilizes the latest DDR5 standard for enhanced speed and efficiency.
- **Intel XMP 3.0 & AMD Expo Compatible:** Supports easy overclocking and optimized performance profiles for both Intel and AMD platforms.
- **A-DIE Modules:** Features high-quality A-DIE memory integrated circuits for reliable performance.
- **Efficient Aluminum Alloy Spreader:** Designed with a porous one-piece cooling design for effective heat dissipation.
- **10-Layer PCB:** Professional anti-interference design for stable signal integrity.

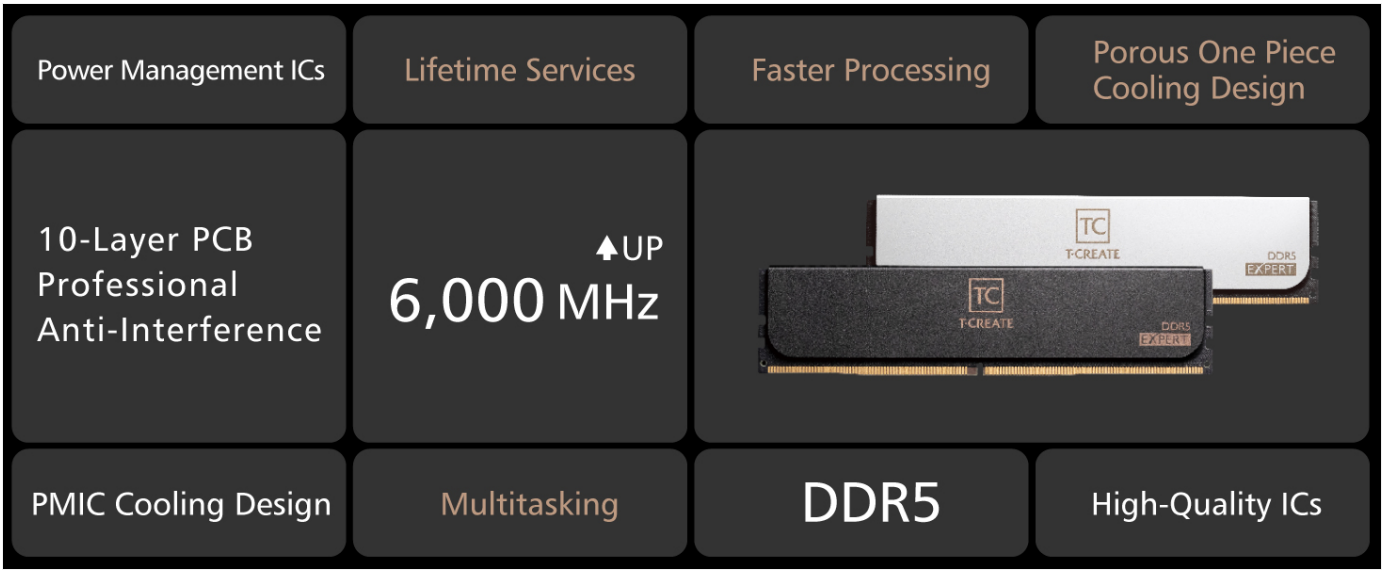


Image 2.1: Overview of key features and design elements.

3. Specifications

Specification	Value
RAM Capacity	32 GB (2 x 16GB)
RAM Memory Technology	DDR5 SDRAM
Memory Speed	7200 MHz (PC5-57600)
CAS Latency	CL34-42-42-84
Voltage	1.4 Volts
Compatible Devices	Desktop
Item Model Number	CTCED532G7200HC34ADC01
Item Weight	3.2 ounces
Product Dimensions	5.24 x 0.28 x 1.26 inches
Color	Black-UDIMM

4. Setup and Installation

Proper installation of your memory modules is crucial for system stability and performance. Follow these steps carefully:

1. **Preparation:**
    - Ensure your computer is powered off and unplugged from the wall outlet.
    - Ground yourself to prevent electrostatic discharge (ESD) by touching a metal part of your computer case.
    - Open your computer case to access the motherboard.
2. **Locate DIMM Slots:**
    - Identify the DDR5 DIMM slots on your motherboard. Consult your motherboard manual for optimal slot placement for dual-channel configuration (usually slots 2 and 4, or 1 and 3).
3. **Install Memory Modules:**
    - Gently push open the retention clips at both ends of the DIMM slot.
    - Align the memory module with the slot, ensuring the notch on the module matches the key in the slot. Do not force it.
    - Apply even pressure to both ends of the module until it clicks into place and the retention clips snap shut.
4. **BIOS Configuration (Enabling XMP/EXPO):**
    - After physical installation, close your computer case, plug it back in, and power it on.
    - Enter your motherboard's BIOS/UEFI settings (usually by pressing **DEL** or **F2** during startup).
    - Navigate to the **Overclocking** or **Advanced Memory Settings** section.
    - Locate the **XMP (Extreme Memory Profile)** for Intel systems or **EXPO (Extended Profiles for Overclocking)** for AMD systems.
    - Enable the appropriate profile (e.g., Profile 1) to set the memory to its advertised speed (7200MHz) and timings.
    - Save changes and exit the BIOS. Your system will restart with the optimized memory settings.



Image 4.1: Memory module correctly installed in a motherboard slot.

[redacted]

Video 4.1: A seller-provided video demonstrating the installation and BIOS configuration for TEAMGROUP T-Create Expert DDR5 memory.

5. Operating

Once installed and configured, your TEAMGROUP T-Create Expert DDR5 memory modules will operate at their specified speeds, enhancing your system's overall responsiveness and performance for various tasks, including:

- **Gaming:** Experience smoother frame rates and faster load times in demanding games.
- **Content Creation:** Accelerate video editing, 3D rendering, and graphic design workflows.

- **Multitasking:** Seamlessly switch between multiple applications without slowdowns.
- **General Computing:** Enjoy a snappier and more efficient user experience.

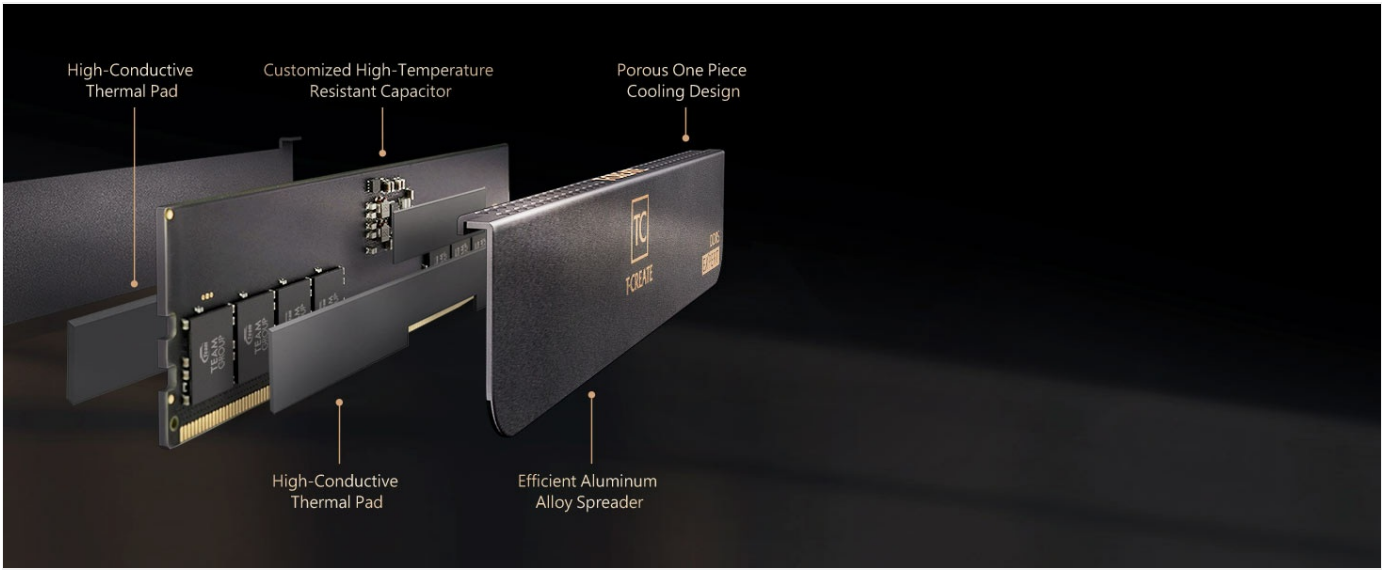


Image 5.1: Desktop setup illustrating the memory's use in high-end creative work.

6. Maintenance

Memory modules generally require minimal maintenance. However, adhering to these guidelines can help ensure their longevity and optimal performance:

- **Keep it Clean:** Periodically clean the interior of your computer case to prevent dust buildup on the memory modules and other components. Use compressed air for best results.
- **Ensure Proper Airflow:** Maintain good airflow within your computer case to prevent overheating, which can affect memory stability.
- **Avoid Physical Damage:** Handle memory modules by their edges to avoid touching the gold contacts or integrated circuits.
- **Software Updates:** Keep your motherboard's BIOS/UEFI firmware updated to ensure compatibility and optimal performance with your memory.

7. Troubleshooting

If you encounter issues with your memory modules, consider the following troubleshooting steps:

- **System Not Booting/No Display:**
  - Ensure modules are fully seated in their slots. Re-seat them if necessary.
  - Try installing only one module at a time to identify a faulty stick or slot.
  - Clear your motherboard's CMOS (refer to your motherboard manual).
- **Incorrect Memory Speed/Timings:**
  - Verify that XMP/EXPO is enabled in your BIOS/UEFI settings (refer to Section 4).
  - Ensure your motherboard supports the advertised memory speed.
- **System Instability/Crashes:**
  - Disable XMP/EXPO in BIOS and test with default settings. If stable, gradually increase speed or adjust timings manually.
  - Run a memory diagnostic tool (e.g., Windows Memory Diagnostic) to check for errors.
  - Ensure your motherboard BIOS is up to date.

8. Warranty and Support

TEAMGROUP T-Create Expert DDR5 memory modules come with a **Lifetime Warranty** for maximum protection. This warranty covers defects in material and workmanship under normal use. For warranty claims or technical support, please visit the official TEAMGROUP website or contact their customer service directly.
Please retain your proof of purchase for warranty validation.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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