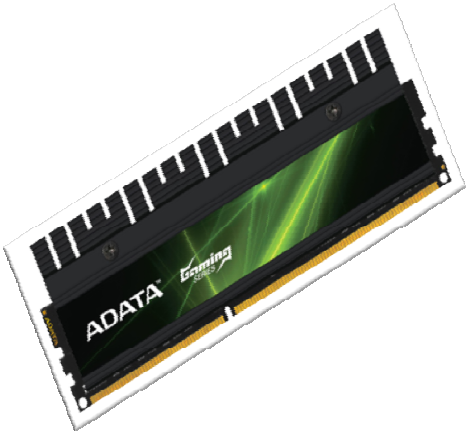
XPG Gaming v2.0 Series DDR3 2400G
Product Reviewer's Guide

July 2012

Contents



Introduction	1
Product Background	2
Product Positioning	2
Product Highlights	2
Specifications	3
Points of Interests	3
Benchmark Tools	4
Contact Information	6

Introduction

This Performance guide contains information on the new XPG™ (Xtreme Performance Gear) Gaming V2.0 DDR3 2400G, including product features and descriptions, and benchmark results.

The ADATA logo and usage guidelines are available at http://www.adata.com.tw/index.php?action=bs_main&page=bs_content_logo&lan=en.

Product pictures can be downloaded from ADATA website at http://www.adata-group.com/index.php?action=bs_main&page=bs_content_product_packages&ProductID=90&flag=

Please refer to this guide prior to and during testing, and feel free to use this content when composing review articles.

If you encounter any problems during the testing process, or if you have questions

regarding the test results, please contact us via email using the contact information found at the end of the guide.

Product Background

XPG DRAM modules signify Xtreme Performance Gear, providing the extreme speed and performance required by advanced users. The XPG Gaming series v2.0 is targeted specifically at the distinct performance and cooling needs of the worldwide gaming community.

Product Positioning

Designed specifically for computer game players, the XPG Gaming series can satisfy the gamers' needs for daily gaming and computing with outstanding reliability and performance. With TCT, the extended heat sink and 2oz double-copper PCB2 (Printed Circuit Board), the new XPG Gaming v2.0 Series is released with remarkable performance and enhanced reliability.

The newly introduced ADATA XPG Gaming v2.0 Series adopts TCT (Thermal Conductive Technology), retaining operational stability while offering higher performance. While designed with computer gamers in mind, the XPG Gaming v2.0 Series is suitable for all users, delivering stability and compatibility, freeing up your computer's power for successful navigation of the PC gaming world.

Product Highlights

XPG Gaming v2.0 DDR3 2400G:

- **Faster performance with speed up to** 2400MHz and 1.65 volts, transfer bandwidth can reach 19,200 MB/s (PC3 19200)
- Designed for 3rd generation Intel core processors and Z77 platform
- Supports XMP ver. 1.3 (Extreme Memory Profile)
- Lead-free products are RoHS compliant
- Thermal Conductive Technology (TCT)
- 2oz Copper 8-layer PCB
- Dual channel

Specifications

Specification	XPG Gaming V 2.0 2400G
Performance	speed up to 2400MHz and 1.65 volts, transfer bandwidth can reach 19,200 MB/s (PC3 19200)
Timing reference	DDR3 1333 CL9-9-9-24 at 1.5V DDR3 2400 CL10-12-12-31 at 1.65V (XMP Profile 1)
Density	8GB (4GB x 2)
Compatibility	DDR3 1333 CL9-9-9-24 at 1.5V
Operating voltage	1.65 V
Dimensions (L x W x H)	133 x 49 x 8.5mm
Weight	160g
Warranty	Limited lifetime warranty

Points of Interests

To test the real world data transfer performance, three benchmark programs: (1) AIDA64 Edition, (2) CPU-Z1.61.1 x64, and (3)MaxxMEM2 v1.91 are investigated in this reviewer's guide. The benchmarking performance is based on the following hardware devices and platform. Actual performance may vary depending on hardware and software testing environment.

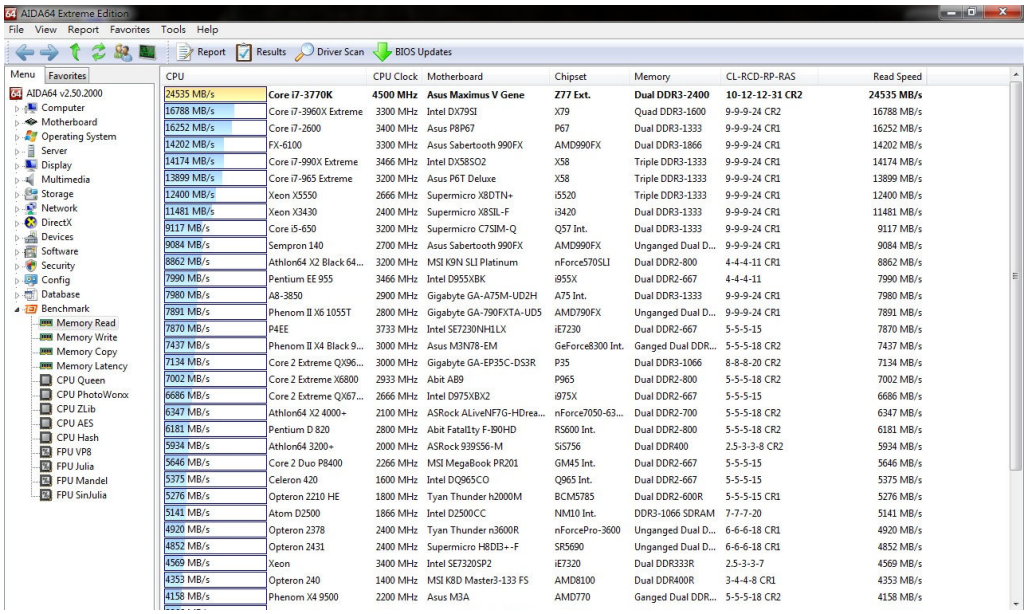
Sample configuration	ADATA XPG Gaming v2.0 DDR3-2400
Motherboard	Asus Maximus V Gene
Motherboard Chipset	Intel Z77 Ext.
Computer	ACPI x64-based PC
Operation System	Microsoft Windows 7 Ultimate
VGA	NVIDIA GeForce GTX 550 Ti Video Adapter
Multimedia	Realtek ALC899 Audio Adapter
Storage	Asmedia 106x SATA Controller Intel(R) 7 Series/C216 Chipset WDC WD1600AAJS-00L7A0 A Disk Drive

Benchmark Tools

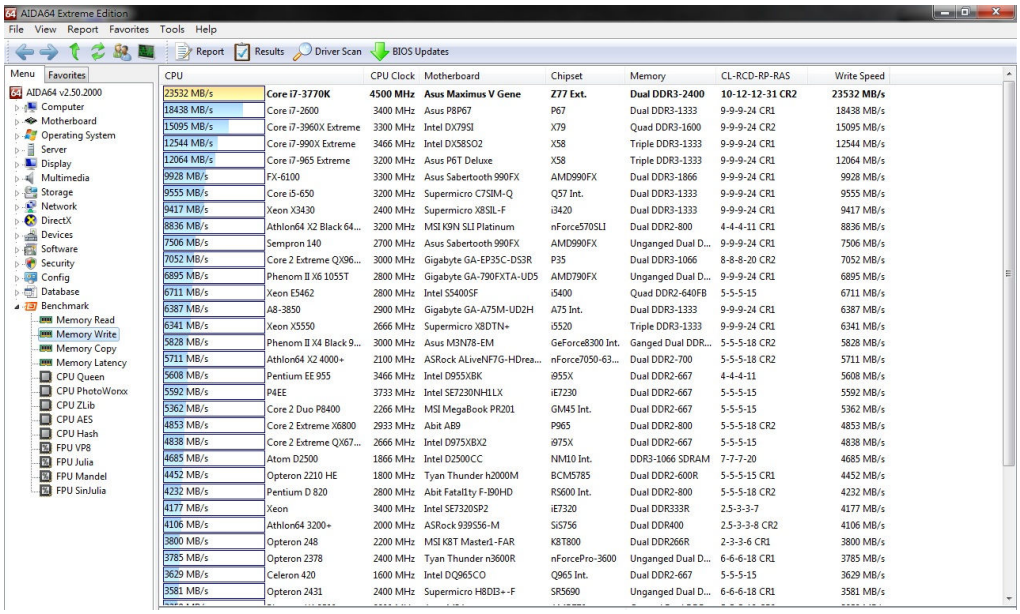
1. AIDA64 v 2.50.2000

Sample	AIDA64 v2.50.2000 Performance (MB/s)		
DDR3-2400	Read Speed	Write Speed	Copy Speed
	24535	23523	27878

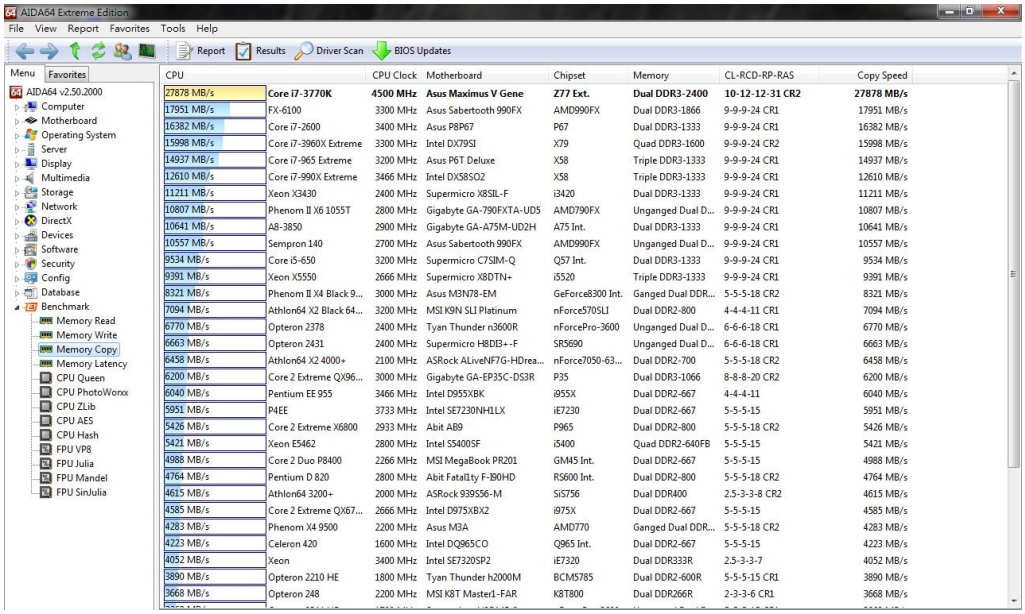
AIDA64 Extreme Edition 2.50.2000-memory read



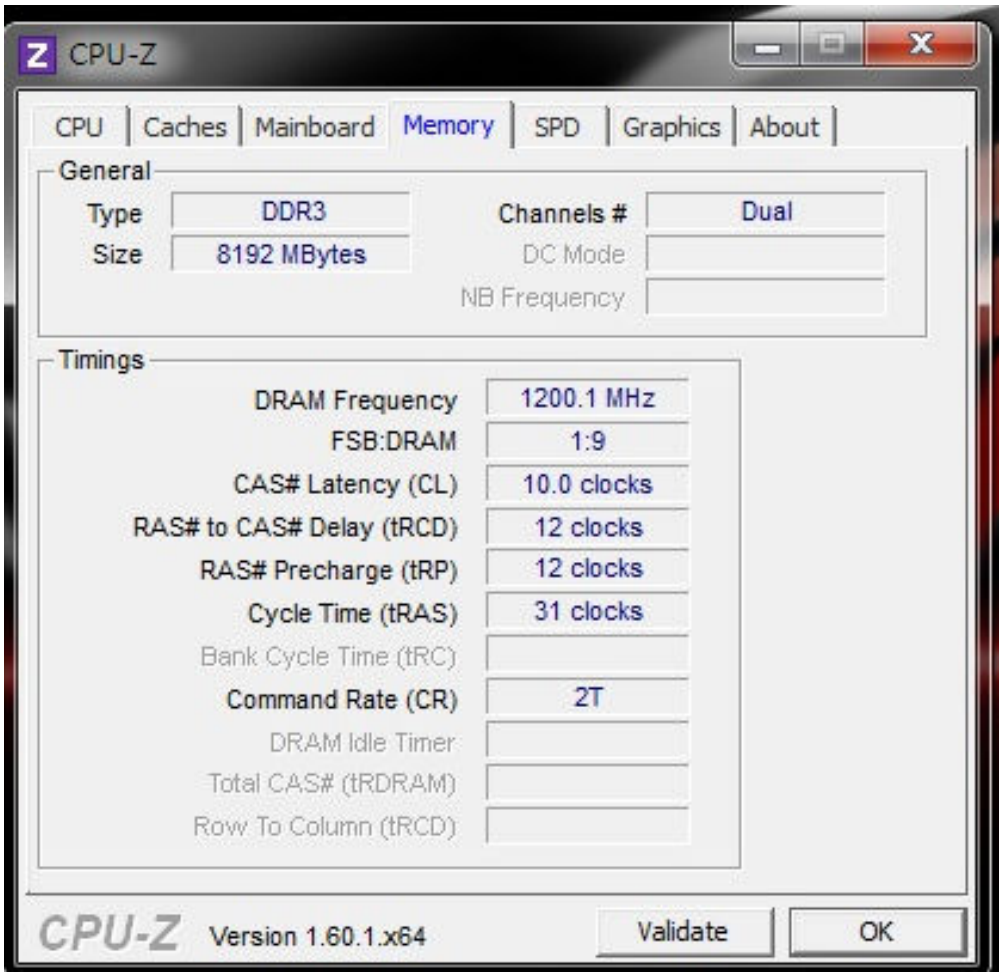
AIDA64 Extreme Edition 2.50.2000-memory write



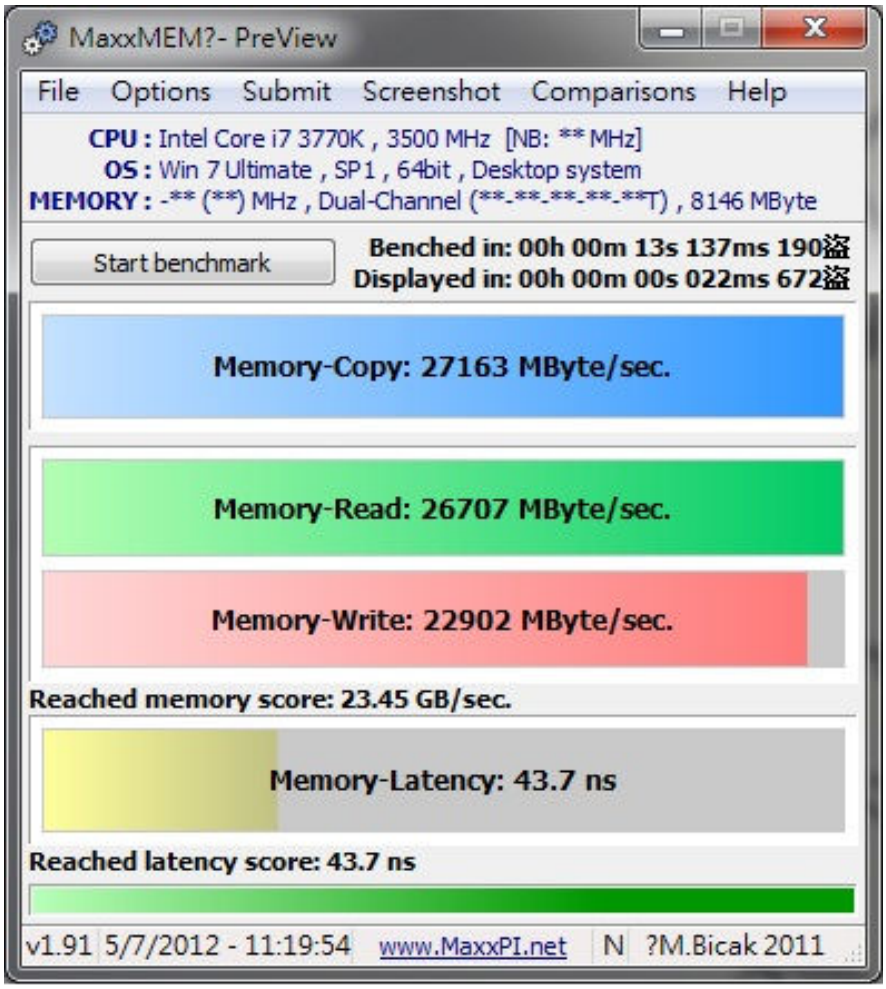
AIDA64 Extreme Edition 2.50.2000-memory copy



2, CPU-Z 1.61.1.x64



3. MaxxMEM2 v1.91



Contact Information

If you have additional questions that are not answered by this guide, or if you experience technical difficulties with your ADATA product, please contact:

Shu-Rung Ye
ADATA Technology Co., Ltd.
Marketing Department
Tel: +886-2-82280886 ext. 12990
Fax: +886-2-82271760
E-mail: shurung_ye@adata.com.tw