

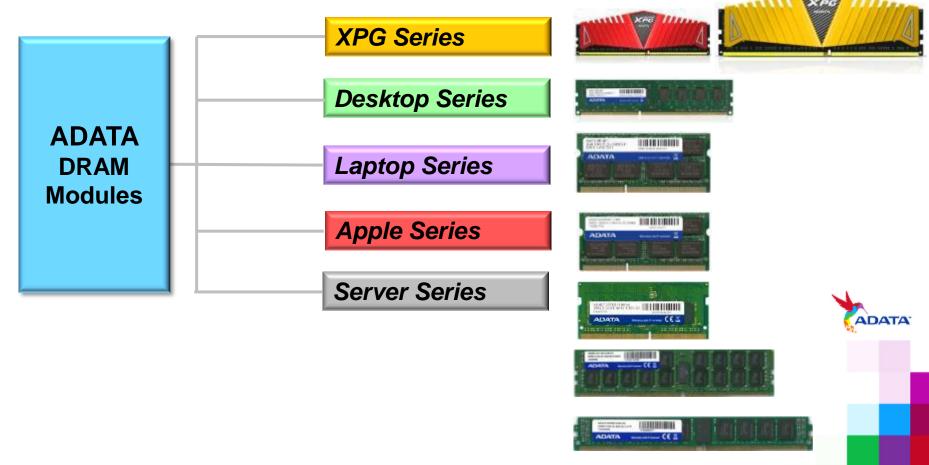
XPG Z1 Gold Edition Reviewer's Guide

Specifications

Model Name	XPG Z1 Gold Edition		
Frequency Speed	DDR4 3000 / 3200 / 3300 / 3333MHz (3300 and 3333MHz will be announced by January, 2015)		
Module Size	4GB – 32GB *4GB: 8GB kit (4GB x 2), 16GB (4GB x 4) *8GB: 16GB kit (8GB x 2), 32GB kit (8GB x 4)		
Compatibility	DDR4 2133 CL 15-15-15 at 1.2V		
Operating Temperature	0°C to 85°C		
Storage Temperature	-55°C to 100°C		
Operating Voltage	1.35V		
Dimensions (L x W x H)	133.2 x 42.65 x 7.5mm		
Warranty	Limited Lifetime Warranty		
Features	*Designed for Intel® Core i7 Haswell-E HEDT (high-end desktop) processor and the X99 platform		
	*Supports Intel XMP 2.0 (Extreme Memory Profile)		
	*Lead-free products are RoHS compliant		
	*2oz copper 10-layer PCB (Printed Circuit Board)		

Positioning

The XPG Z1 Gold Edition belongs to the most high-end level in ADATA's DRAM Module series. It's especially designed for overclockers, gamers, and PC enthusiasts, which only requires 1.35V to achieve high clock frequency of 3333MHz for excellent performance and power efficiency.



Features

Superior Power Efficiency: a 10% reduction of power (operating voltage decreases from 1.5V to 1.35V)

Thermal Conductive Technology (TCT) for great heat dissipation

Supports Intel® XMP 2.0 (Extreme Memory Profile)

Supports Intel® Core i7 Haswell-E HEDT (high-end desktop) processor and the X99 platform High speed up to 3333MHz (3000 / 3200 / 3300 / 3333MHz)

Transfer bandwidth up to 26.6GB/s

Superior stability and cooling performance: High-quality 10-layer black PCB with 2oz of copper

RoHS compliant



Benchmark

Points of Interests

To test the real world data transfer performance, 2 benchmark program:

- (1) AIDA64 v5.00.3300
- (2) CPU-Z 1.71.1.x64

The benchmarking performance is based on the following hardware device and platform. Actual performance may vary depending on hardware and software testing environment.

Sample configuration	ADATA XPGZ1 DDR4-3333		
Motherboard	ASUS Rampage V Extreme		
Motherboard Chipset	Intel Wellsburg X99, Intel Haswell- E		
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	Intel(R) 9 Series/C610 Chipset WDC WD1600AAJS-00L7A0 A Disk Drive		



XPG Z1 Benchmark (AIDA64 v 5.00.3300)

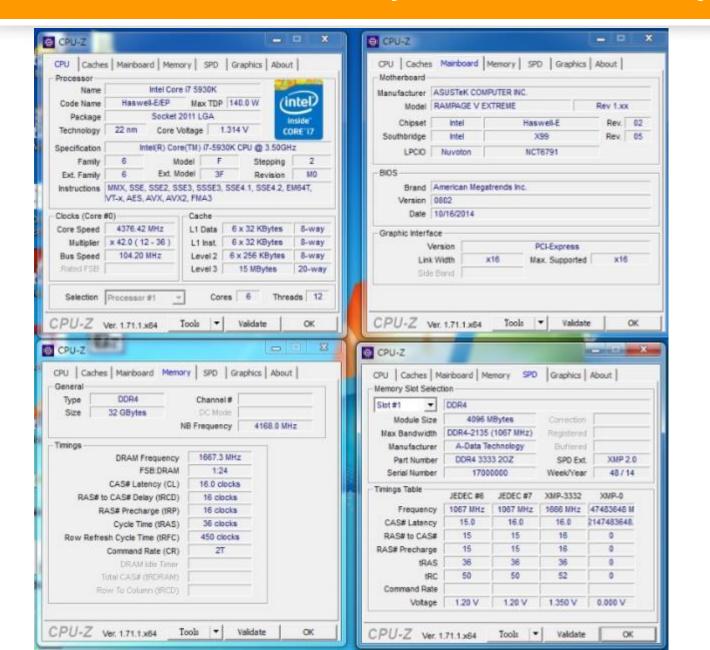
AIDA64 v 5.00.3300

AIDA64 Extreme Edition 5.00.3300 -memory read AIDA64 Extreme Edition 5.00.3300 -memory write AIDA64 Extreme Edition 5.00.3300 -memory copy

Sample	AIDA64 5.00.3300 Performance (MB/s)			
DDR4-3333	Read Speed	Write Speed	Copy Speed	
	66880	66440	75791	



XPG Z1 Benchmark (CPU-Z 1.71.1.x64)







THANK YOU