



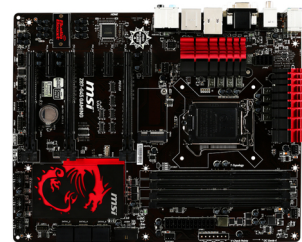
MSI Z87-G45 GAMING motherboard Intel® Z87 LGA 1150 (Socket H3) ATX

Brand : MSI

Product code: Z87-G45 GAMING

Product name : Z87-G45 GAMING

Z87-G45 GAMING, LGA 1150, Intel Z87, 4 x DDR3 3000-1066MHz, Intel HD Graphics, 3 x PCI Express x16 (2-Way NVIDIA SLI, 3/2-Way AMD CrossFire), 6 x SATA 6.0Gb/s, Killer E2205 GbE LAN, UEFI BIOS, ATX MSI Z87-G45 GAMING. Processor manufacturer: Intel, Processor socket: LGA 1150 (Socket H3), Compatible processor series: Intel® Celeron®, Intel® Pentium®. Supported memory types: DDR3-SDRAM, Maximum internal memory: 64 GB, Memory slots type: DIMM. Supported storage drive interfaces: SATA, SATA II, SATA III, RAID levels: 0, 1, 5, 10. Parallel processing technology support: 2-Way CrossFireX, 2-Way SLI, 3-Way CrossFireX, LucidLogix Virtu, Graphics card family: Intel, Graphics card: HD Graphics. HDMI version: 1.4a



Processor		Rear panel I/O ports	
Processor manufacturer *	Intel	HDMI version	1.4a
Processor socket *	LGA 1150 (Socket H3)	DVI-D ports quantity *	1
Compatible processor series *	Intel® Celeron®, Intel® Pentium®	Headphone outputs	6
Maximum number of SMP processors	1	Microphone in	✓
Memory		S/PDIF out port	✓
Supported memory types *	DDR3-SDRAM	Digital audio optical out	1
Number of memory slots *	4	Network	
Memory slots type	DIMM	Ethernet LAN	✓
Memory channels	Dual-channel	Ethernet interface type	Gigabit Ethernet
ECC compatibility	Non-ECC	LAN controller	Bigfoot Killer E2205
Supported memory clock speeds MHz	1066,1200,1300,1333,1500,1600,1666,1800,1866,1900,2000,2100,2133,2200,2250,2400,2450,2600,2666,2800,3000	Wake-on-LAN ready	✓
Maximum internal memory *	64 GB	Wi-Fi *	✗
Unbuffered memory	✓	Bluetooth	✗
Storage controllers		Features	
Supported storage drive interfaces *	SATA, SATA II, SATA III	Motherboard chipset *	Intel® Z87
RAID levels	0, 1, 5, 10	Audio chip	Realtek ALC1150
Graphics		Audio output channels *	7.1 channels
Parallel processing technology support *	2-Way CrossFireX, 2-Way SLI, 3-Way CrossFireX, LucidLogix Virtu	PC health monitoring	CPU, Fan, Temperature
On-board graphics card	✓	Component for *	PC
Graphics card family	Intel	Motherboard form factor *	ATX
Graphics card	HD Graphics	Motherboard chipset family *	Intel
Maximum resolution	4096 x 2160 pixels	Cooling type	Passive
HDCP	✓	Power source type	ATX
Discrete graphics support	✓	Windows operating systems supported	✓
Internal I/O		Expansion slots	
USB 2.0 connectors *	3	PCI Express x1 slots	4
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	PCI Express x16 slots	3
Number of SATA III connectors *	6	PCI Express slots version	2.0, 3.0
Front panel audio connector	✓	PCI Express configurations	1x4, 1x8, 1x16
ATX Power connector (24-pin)	✓		
CPU fan connector	✓		
Number of chassis fan connectors	4		
Chassis intrusion connector	✓		

Internal I/O		BIOS	
EPS power connector (8-pin)	✓	BIOS type *	UEFI
TPM connector	✓	Clear CMOS jumper	✓
Serial port headers	1	Clear CMOS button	✓
Rear panel I/O ports		Processor special features	
USB 2.0 ports quantity *	2	Trusted Platform Module (TPM)	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Intel® High Definition Audio (Intel® HD Audio)	✓
Ethernet LAN (RJ-45) ports *	1	Processor with Intel Graphics Technology required	✓
PS/2 ports quantity	1		
VGA (D-Sub) ports quantity *	1		
HDMI ports quantity *	1		
		Weight & dimensions	
		Width	305 mm
		Depth	244 mm
		Packaging content	
		Cables included	SATA
		Drivers included	✓
		Other features	
		Dual Link DVI	✓
		Quick installation guide	✓
		Serial port via internal header	✓

Catalog Object Cloud



Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.