

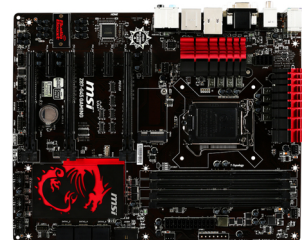


MSI Z87-G45 GAMING motherboard Intel® Z87 LGA 1150 (Socket H3) ATX

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, Memory, maximum: 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

Processor manufacturer *	Intel
Processor socket *	LGA 1150 (Socket H3)
Compatible processor series *	Intel® Celeron®, Intel® Pentium®
Maximum number of SMP processors	1

Memory

Supported memory types *	DDR3-SDRAM
Number of memory slots *	4
Memory slots type	DIMM
Memory channels	Dual-channel
ECC compatibility	Non-ECC
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
Memory, maximum *	64 GB
Unbuffered memory	✓

Storage controllers

Supported storage drive interfaces *	SATA, SATA II, SATA III
RAID levels	0, 1, 5, 10

Graphics

Parallel processing technology support *	2-Way CrossFireX, 2-Way SLI, 3-Way CrossFireX, LucidLogix Virtu
On-board graphics card	✓
Graphics card family	Intel
Graphics card	HD Graphics
Maximum resolution	4096 x 2160 pixels
HDCP	✓
Discrete graphics support	✓

Internal I/O

USB 2.0 connectors *	3
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1
Number of SATA III connectors *	6
Front panel audio connector	✓
ATX Power connector (24-pin)	✓
CPU fan connector	✓
Number of chassis fan connectors	4
Chassis intrusion connector	✓

Rear panel I/O ports

HDMI version	1.4a
DVI-D ports quantity *	1
Headphone outputs	6
Microphone in	✓
S/PDIF out port	✓
Digital audio optical out	1

Network

Ethernet LAN connection	✓
Ethernet interface type	Gigabit Ethernet
LAN controller	Bigfoot Killer E2205
Wake-on-LAN ready	✓
Wi-Fi *	✗
Bluetooth	✗

Features

Chipset *	Intel® Z87
Audio chip	Realtek ALC1150
Audio output channels *	7.1 channels
PC health monitoring	CPU, Fan, Temperature
Component for *	PC
Motherboard form factor *	ATX
Motherboard chipset family *	Intel
Cooling type	Passive
Power source type	ATX
Windows operating systems supported	✓

Expansion slots

PCI Express x1 slots	4
PCI Express x16 slots	3
PCI Express slots version	2.0, 3.0
PCI Express configurations	1x4, 1x8, 1x16

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 HD Audio Technology	✓
Ethernet LAN (RJ-45) ports *	1	Processor with Intel Graphics Technology required	✓
PS/2 ports quantity	1	Weight & dimensions	
VGA (D-Sub) ports quantity *	1	Width	305 mm
HDMI ports quantity *	1	Depth	244 mm
		Packaging content	
		Cables included	SATA
		Drivers included	✓
		Other features	
		Dual Link DVI	✓
		Quick installation guide	✓
		Serial port via internal header	✓

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