



Gigabyte GA-Z68XP-UD3 - 1.0 - motherboard - ATX - LGA1155 Socket - Z68

Part Number: GA-Z68XP-UD3

General

- Chipset Type
Intel Z68 Express / ITE IT8728
- Compatible Processors
Pentium, Celeron, Core i5, Core i3, Core i7
- Processor Socket
LGA1155 Socket
- Max Processors Qty : 1
- Manufacturer
Gigabyte Technology Co. Ltd.

Expansion / Connectivity

- Expansion Slots
 - 1 x CPU
 - 4 x DIMM 240-pin (1.5 V)
 - 1 x PCIe 2.0 x16
 - 1 x PCIe 2.0 x16
 - 3 x PCIe 2.0 x1
 - 2 x PCI
- Storage Interfaces
 - SATA-600 -connectors: 2 x 7pin Serial ATA - 2 devices - RAID 0 / RAID 1 / RAID 10 / RAID 5
 - SATA-300 -connectors: 4 x 7pin Serial ATA - 4 devices - RAID 0 / RAID 1 / RAID 10 / RAID 5
 - Marvell 88SE9172: SATA-600 -connectors: 4 x 7pin Serial ATA - 2 devices - RAID 0 / RAID 1
- Internal Interfaces
 - 1 x audio
 - 1 x SPDIF out
 - 6 x USB 2.0
 - 2 x USB 3.0
 - 1 x FireWire
 - 1 x serial
- Power Connectors
 - 24-pin main power connector, 8-pin ATX12V connector
- RAID Features
 - Intel Smart Response Technology

Processor

- Max Supported Qty
1
- Installed Qty
0

Miscellaneous

- Microsoft Certifications
Compatible with Windows 7
- Product Type
motherboard
- Compatible with Windows 7
"Compatible with Windows 7" software and devices carry Microsoft' s assurance that these products have passed tests for compatibility and reliability with 32-bit and 64-bit Windows 7.

Audio

- Audio Codec
Realtek ALC889
- Compliant Standards
High Definition Audio, Dolby Home Theater

Networking

- Data Link Protocol
Ethernet, Fast Ethernet, Gigabit Ethernet
- Network Controller
Realtek RTL8111E
- Network
Gigabit Ethernet

Processor / Memory / Storage

- Max Supported Qty
1

Interface Provided

- Qty
1, 2, 8
- Type
FireWire, HDMI, LAN (Gigabit Ethernet), PS/2 keyboard / mouse, TOSLINK, USB 2.0, USB 3.0, audio line-in, audio line-out, audio line-out (center/subwoofer), audio line-out (rear), audio line-out (side surround), microphone
- Connector Type
6 pin FireWire, mini-jack

Video

- Video Output
graphics adapter (CPU required)

Audio Output

- Compliant Standards
Dolby Home Theater, High Definition Audio
- Type
sound card
- Audio Codec
Realtek ALC889
- Audio
High Definition Audio (8-channel)

RAM

- Max Supported Size
32 GB
- Features
Intel Extreme Memory Profiles (XMP), dual channel memory architecture

LAN

- Network Interfaces
Gigabit Ethernet
- Network Controller
Realtek RTL8111E

Supported RAM

- Bus Clock
1600 MHz, 1333 MHz, 1066 MHz, 1866 MHz, 2133 MHz
- Features
Dual channel memory architecture, Intel Extreme Memory Profiles (XMP)
- Speed
PC3-17600, PC3-14400, PC3-12800, PC3-10600, PC3-8500
- Technology
DDR3
- Max Size
32 GB
- Supported RAM Integrity Check
Non-ECC

Header

- Brand - GIGABYTE
- Product Line - Gigabyte
- Model - GA-Z68XP-UD3
- Packaged Quantity - 1
- Compatibility - PC
- Revision - 1.0

Mainboard

- Form Factor - ATX
- Processor Socket - LGA1155 Socket
- Compatible Processors
Celeron, Core i3, Core i5, Core i7, Pentium
- Chipset Type
Intel Z68 Express
- I/O Controller - ITE IT8728
- Supported RAM Technology
DDR3 SDRAM
- Supported RAM Speed
1066 MHz, 1333 MHz, 1600 MHz, 1866 MHz, 2133 MHz
- Supported RAM Standard
PC3-10600, PC3-12800, PC3-14400, PC3-17600, PC3-8500
- Supported RAM Integrity Check
non-ECC
- RAM Slots - 4 DIMM slots
- Power Connectors
24-pin main power connector, 8-pin ATX12V connector

Mainboard Features

- BIOS Type
Award
- BIOS Features
ACPI 1.0b support, DMI 2.0 support, SMBIOS 2.4 support, Touch BIOS, Xpress BIOS Rescue
- Hardware Monitoring
CPU core temperature, CPU fan tachometer, CPU overheating protection, chassis fan tachometer, chassis temperature, power supply fan tachometer
- Hardware Features
3x USB Power Boost, AMD CrossFireX technology support, AutoGreen, DualBIOS, GIGABYTE Dynamic Energy Saver (DES) 2, GIGABYTE Hardware Overvoltage Control IC, GIGABYTE Turbo XHD, GIGABYTE eXtreme Hard Drive (XHD), Intel Extreme Memory Profile (XMP) support, Intel Smart Response Technology, Lucid Virtu, NVIDIA SLI Technology Support, On/Off Charge, Smart 6, Ultra Durable 3, Voltage Regulator Down 12 (VRD) compliant

Interfaces

- Storage
Serial ATA-300 (RAID), Serial ATA-600 (RAID)
- Storage Ports
4 x SATA-600 (RAID), 4 x SATA-300 (RAID)
- RAID Features
Intel Smart Response Technology
- USB 3.0 / FireWire
FireWire, USB 3.0
- USB / FireWire Ports Configuration (Active)
2 x USB 3.0 + 1 x FireWire + 8 x USB 2.0

Expansion Slots

- Total Qty
1, 2, 3, 4
- Voltage
1.5 V
- Type
CPU, DIMM 240-pin, PCI, PCIe 2.0 x1, PCIe 2.0 x16

Software

- Software Included
@BIOS, Cloud OC, EasyTune, GIGABYTE EZ Smart Response, Hotkey OC, Norton Internet Security, Q-Share, Xpress Recovery 2

Dimensions & Weight

- Width
12 in
- Depth
9.6 in

Storage Interfaces

- Chip
Marvell 88SE9172
- Interface
Serial ATA-300, Serial ATA-600
- Connector(s)
2 x 7pin Serial ATA, 4 x 7pin Serial ATA
- Supported Devices Qty
2, 4
- RAID (Level)
RAID 0 / RAID 1

Internal Interfaces

- Type
FireWire, SPDIF out, USB 2.0, USB 3.0, audio, serial
- Qty
1, 2, 6

Features

- BIOS Type
Award
- BIOS Features
DMI 2.0 support, ACPI 1.0b support, SMBIOS 2.4 support, Touch BIOS, Xpress BIOS Rescue
- Hardware Features
DualBIOS, NVIDIA SLI Technology Support, Smart 6, GIGABYTE Dynamic Energy Saver (DES) 2, GIGABYTE eXtreme Hard Drive (XHD), AutoGreen, 3x USB Power Boost, Intel Extreme Memory Profile (XMP) support, Ultra Durable 3, On/Off Charge, GIGABYTE Hardware Overvoltage Control IC, GIGABYTE Turbo XHD, Lucid Virtu, Intel Smart Response Technology, Voltage Regulator Down 12 (VRD) compliant, AMD CrossFireX technology support
- Hardware Monitoring
CPU core temperature, chassis temperature, CPU fan tachometer, chassis fan tachometer, CPU overheating protection, power supply fan tachometer

General

- Manufacturer
Gigabyte Technology Co. Ltd.