














1-2 Product Specifications

	CPU <ul style="list-style-type: none"> Support for Intel® Core™ i7 processors/Intel® Core™ i5 processors/Intel® Core™ i3 processors/Intel® Pentium® processors/Intel® Celeron® processors in the LGA1155 package (Go to GIGABYTE's website for the latest CPU support list.) L3 cache varies with CPU
	Chipset <ul style="list-style-type: none"> Intel® Z88 Express Chipset
	Memory <ul style="list-style-type: none"> 4 x 1.5V DDR3 DIMM sockets supporting up to 32 GB of system memory <ul style="list-style-type: none"> * Due to Windows 32-bit operating system limitation, when more than 4 GB of physical memory is installed, the actual memory size displayed will be less than 4 GB. Dual channel memory architecture Support for DDR3 2133/1866/1600/1333/1066 MHz memory modules Support for non-ECC memory modules Support for Extreme Memory Profile (XMP) memory modules (Go to GIGABYTE's website for the latest supported memory speeds and memory modules.)
	Onboard Graphics <ul style="list-style-type: none"> Integrated in the Chipset: <ul style="list-style-type: none"> 1 x D-Sub port 1 x DVI-D port, supporting a maximum resolution of 1920x1200 * The DVI-D port does not support D-Sub connection by adapter. 1 x HDMI port, supporting a maximum resolution of 1920x1200 1 x DisplayPort, supporting a maximum resolution of 2560x1600p
	Audio <ul style="list-style-type: none"> Realtek ALC889 codec High Definition Audio 24/5.1/7.1-channel Support for Dolby® Home Theater Support for S/PDIF Out
	LAN <ul style="list-style-type: none"> 1 x Realtek RTL8111E chip (10/100/1000 Mbit)
	Expansion Slots <ul style="list-style-type: none"> 1 x PCI Express x16 slot, running at x16 (PCIEX16) <ul style="list-style-type: none"> * For optimum performance, if only one PCI Express graphics card is to be installed, be sure to install it in the PCIEX16 slot. 1 x PCI Express x16 slot, running at x8 (PCIEX8) <ul style="list-style-type: none"> * The PCIEX8 slot shares bandwidth with the PCIEX16 slot. When the PCIEX8 slot is populated with a PCI Express graphics card, the PCIEX16 slot will operate at up to x8 mode. 3 x PCI Express x1 slots (All PCI Express slots conform to PCI Express 2.0 standard.) 2 x PCI slots
	Multi-Graphics Technology <ul style="list-style-type: none"> Support for ATI CrossFire™/NVIDIA SLI technology <ul style="list-style-type: none"> * The PCIEX16 slot operates at up to x8 mode when ATI CrossFire™/NVIDIA SLI is enabled.

	Storage Interface <ul style="list-style-type: none"> Chipset: <ul style="list-style-type: none"> 2 x SATA 6Gb/s connectors (SATA3_0, SATA3_1) supporting up to 2 SATA 6Gb/s devices 3 x SATA 3Gb/s connectors (SATA2_2~SATA2_4) supporting up to 3 SATA 3Gb/s devices 1 x eSATA 3Gb/s connector on the back panel supporting up to 1 SATA 3Gb/s device Support for SATA RAID 0, RAID 1, RAID 5, and RAID 10 <ul style="list-style-type: none"> * When a RAID set is built across the SATA 6Gb/s and SATA 3Gb/s channels, the system performance of the RAID set may vary depending on the devices being connected. Marvell 88SE9172 chip: <ul style="list-style-type: none"> 2 x SATA 6Gb/s connectors (GSATA3_5, GSATA3_6) supporting up to 2 SATA 6Gb/s devices Support for SATA RAID 0 and RAID 1
	USB <ul style="list-style-type: none"> Chipset: <ul style="list-style-type: none"> Up to 12 USB 2.0/1.1 ports (4 on the back panel, 8 via the USB brackets connected to the internal USB headers) 2 x Etron EJ168 chips: <ul style="list-style-type: none"> Up to 4 USB 3.0/2.0 ports (2 on the back panel, 2 via the USB bracket connected to the internal USB header)
	IEEE 1394 <ul style="list-style-type: none"> VIA VT6308 chip: <ul style="list-style-type: none"> Up to 2 IEEE 1394a ports (1 on the back panel, 1 via the IEEE 1394a bracket connected to the internal IEEE 1394a header)
	Internal Connectors <ul style="list-style-type: none"> 1 x 24-pin ATX main power connector 1 x 8-pin ATX 12V power connector 4 x SATA 6Gb/s connectors 3 x SATA 3Gb/s connectors 1 x CPU fan header 2 x system fan headers 1 x power fan header 1 x front panel header 1 x front panel audio header 1 x S/PDIF Out header 4 x USB 2.0/1.1 headers 1 x USB 3.0/2.0 header 1 x IEEE 1394a header 1 x serial port header 1 x Trusted Platform Module (TPM) header 1 x clearing CMOS jumper
	Back Panel Connectors <ul style="list-style-type: none"> 1 x PS/2 keyboard/mouse port 1 x D-Sub port 1 x DVI-D port 1 x optical S/PDIF Out connector 1 x HDMI port 1 x DisplayPort