

<b>CPU</b>	<ol style="list-style-type: none"> <li>1. Support for Intel® Core™ i7 processors/Intel® Core™ i5 processors/Intel® Core™ i3 processors/Intel® Pentium® processors/Intel® Celeron® processors in the LGA1150 package</li> <li>2. L3 cache varies with CPU</li> </ol> <p>(Please refer "CPU Support List" for more information.)</p>
<b>Chipset</b>	<ol style="list-style-type: none"> <li>1. Intel® Z97 Express Chipset</li> </ol>
<b>Memory</b>	<ol style="list-style-type: none"> <li>1. 4 x DDR3 DIMM sockets supporting up to 32 GB of system memory * Due to a 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 the size of the physical memory installed.</li> <li>2. Dual channel memory architecture</li> <li>3. Support for DDR3 3000(O.C.) / 2933(O.C.) / 2800(O.C.) / 2666(O.C.) / 2600(O.C.) / 2500(O.C.) / 2400(O.C.) / 2200(O.C.) / 2133(O.C.) / 2000(O.C.) / 1866(O.C.) / 1800(O.C.) / 1600 / 1333 MHz memory modules</li> <li>4. Support for non-ECC memory modules</li> <li>5. Support for Extreme Memory Profile (XMP) memory modules</li> </ol> <p>(Please refer "Memory Support List" for more information.)</p>
<b>Onboard Graphics</b>	<p>Integrated Graphics Processor - Intel® HD Graphics support:</p> <ol style="list-style-type: none"> <li>1. 1 x D-Sub port, supporting a maximum resolution of 1920x1200@60Hz</li> <li>1. 1 x DVI-D port, supporting a maximum resolution of 1920x1200@60Hz * The DVI-D port does not support D-Sub connection by adapter.</li> <li>1. 1 x HDMI port, supporting a maximum resolution of 4096x2160@24Hz or 2560x1600@60Hz * Support for HDMI 1.4a version.</li> <li>4. Support for up to 3 displays at the same time</li> <li>5. Maximum shared memory of 512MB</li> </ol>
<b>Audio</b>	<ol style="list-style-type: none"> <li>1. Realtek® ALC1150 codec</li> <li>2. High Definition Audio</li> <li>3. 2/4/5.1/7.1-channel</li> <li>4. Support for S/PDIF Out</li> </ol>
<b>LAN</b>	<ol style="list-style-type: none"> <li>1. 1 x Qualcomm® Atheros Killer E2201 LAN chip (10/100/1000 Mbit) (LAN1)</li> <li>1. 1 x Intel® GbE LAN phy (10/100/1000 Mbit) (LAN2) * Teaming is not supported.</li> </ol>
<b>Expansion Slots</b>	<ol style="list-style-type: none"> <li>1. 1 x PCI Express x16 slot, running at x16 (PCIEX16) * For optimum performance, if only one PCI Express graphics card is to be installed, be sure to install it in the PCIEX16 slot.</li> <li>2. 1 x PCI Express x16 slot, running at x8 (PCIEX8) * The PCIEX8 slot shares bandwidth with the PCIEX16 slot. When the PCIEX8 slot is populated, the PCIEX16 slot will operate at up to x8 mode.</li> <li>3. 1 x PCI Express x16 slot, running at x4 (PCIEX4) * The PCIEX4 slot shares bandwidth with the PCIEX8 and PCIEX16 slots. When the PCIEX4 slot is populated, the PCIEX16 slot will operate at up to x8 mode and the PCIEX8 will operate at up to x4 mode. * When installing a x8 or above card in the PCIEX4 slot, make sure to set PCIE Slot Configuration in BIOS Setup to x4. (Refer to Chapter 2, "BIOS Setup," "Peripherals," for more information.) (The PCIEX16, PCIEX8 and PCIEX4 slots conform to PCI Express 3.0 standard.)</li> </ol>

	<p>information.)</p> <p>(The PCIEX16, PCIEX8 and PCIEX4 slots conform to PCI Express 3.0 standard.)</p> <p>4. 2 x PCI Express x1 slots</p> <p>(The PCI Express x1 slots conform to PCI Express 2.0 standard.)</p> <p>5. 2 x PCI slots</p>
<b>Multi-Graphics Technology</b>	<p>1. Support for 3-Way/2-Way AMD CrossFire™ and 2-Way NVIDIA® SLI™ Technology</p>
<b>Storage Interface</b>	<p>Chipset:</p> <ol style="list-style-type: none"> <li>1 x M.2 PCIe connector (Socket 3, M key, type 2242/2260/2280 SATA &amp; PCIe SSD support)</li> <li>1 x SATA Express connector</li> <li>6 x SATA 6Gb/s connectors (SATA3 0~5) (M.2, SATA Express, and SATA3 4/5 connectors can only be used one at a time. The SATA3 4/5 connectors will become unavailable when an M.2 SSD is installed.)</li> <li>Support for RAID 0, RAID 1, RAID 5, and RAID 10</li> </ol> <p>Marvell® 88SE9172 chip:</p> <ol style="list-style-type: none"> <li>2 x SATA 6Gb/s connectors (GSATA3 6~7)</li> <li>Support for RAID 0 and RAID 1</li> </ol> <p>* Due to system limitation, Intel RAID and Marvell RAID can only use either one.</p>
<b>USB</b>	<p>Chipset:</p> <ol style="list-style-type: none"> <li>4 USB 3.0/2.0 ports (2 ports on the back panel, 2 ports available through the internal USB header)</li> <li>6 USB 2.0/1.1 ports (2 ports on the back panel, 4 ports available through the internal USB headers)</li> </ol> <p>Chipset + Renesas® uPD720210 USB 3.0 Hub:</p> <ol style="list-style-type: none"> <li>4 USB 3.0/2.0 ports on the back panel</li> </ol>
<b>Internal I/O Connectors</b>	<ol style="list-style-type: none"> <li>1 x 24-pin ATX main power connector</li> <li>1 x 8-pin ATX 12V power connector</li> <li>1 x PCIe power connector</li> <li>1 x M.2 PCIe connector</li> <li>1 x SATA Express connector</li> <li>8 x SATA 6Gb/s connectors</li> <li>1 x CPU fan header</li> <li>1 x water cooling fan header (CPU_OPT)</li> <li>4 x system fan headers</li> <li>1 x front panel header</li> <li>1 x front panel audio header</li> <li>1 x S/PDIF Out header</li> <li>1 x USB 3.0/2.0 header</li> <li>2 x USB 2.0/1.1 headers</li> <li>1 x serial port header</li> <li>1 x Clear CMOS jumper</li> <li>1 x Trusted Platform Module (TPM) header</li> <li>1 x power button</li> <li>1 x reset button</li> <li>1 x Clear CMOS button</li> <li>2 x BIOS switches</li> <li>Voltage Measurement Points</li> </ol>

	<p>21. 2 x BIOS switches</p> <p>22. Voltage Measurement Points</p>
<b>Back Panel Connectors</b>	<ol style="list-style-type: none"> <li>1. 1 x PS/2 keyboard/mouse port</li> <li>2. 1 x optical S/PDIF Out connector</li> <li>3. 1 x D-Sub port</li> <li>4. 1 x DVI-D port</li> <li>5. 1 x HDMI port</li> <li>6. 6 x USB 3.0/2.0 ports</li> <li>7. 2 x USB 2.0/1.1 ports</li> <li>8. 2 x RJ-45 ports</li> <li>9. 5 x audio jacks (Center/Subwoofer Speaker Out, Rear Speaker Out, Line In, Line Out, Mic In)</li> </ol>
<b>I/O Controller</b>	<ol style="list-style-type: none"> <li>1. iTE® I/O Controller Chip</li> </ol>
<b>H/W Monitoring</b>	<ol style="list-style-type: none"> <li>1. System voltage detection</li> <li>2. CPU/System/Chipset temperature detection</li> <li>3. CPU/CPU OPT/System fan speed detection</li> <li>4. CPU/System overheating warning</li> <li>5. CPU/CPU OPT/System fan fail warning</li> <li>6. CPU/CPU OPT/System fan speed control</li> </ol> <p>* Whether the fan speed control function is supported will depend on the cooler you install.</p>
<b>BIOS</b>	<ol style="list-style-type: none"> <li>1. 2 x 128 Mbit flash</li> <li>2. Use of licensed AMI UEFI BIOS</li> <li>3. Support for DualBIOS™</li> <li>4. PnP 1.0a, DMI 2.7, WfM 2.0, SM BIOS 2.7, ACPI 5.0</li> </ol>
<b>Unique Features</b>	<ol style="list-style-type: none"> <li>1. Support for APP Center <ul style="list-style-type: none"> <li>* Available applications in APP Center may differ by motherboard model. Supported functions of each application may also differ depending on motherboard specifications.</li> <li>@BIOS</li> <li>EasyTune</li> <li>EZ Setup</li> <li>Fast Boot</li> <li>ON/OFF Charge</li> <li>Smart TimeLock</li> <li>Smart Recovery 2</li> <li>System Information Viewer</li> <li>USB Blocker</li> </ul> </li> <li>2. Support for Q-Flash</li> <li>3. Support for Smart Switch</li> <li>4. Support for Xpress Install</li> </ol>
<b>Bundle Software</b>	<ol style="list-style-type: none"> <li>1. Norton® Internet Security (OEM version)</li> <li>2. Intel® Rapid Start Technology</li> <li>3. Intel® Smart Connect Technology</li> <li>4. Intel® Smart Response Technology</li> </ol>
<b>Operating System</b>	<ol style="list-style-type: none"> <li>1. Support for Windows 8.1/8/7</li> </ol>
<b>Form Factor</b>	<ol style="list-style-type: none"> <li>1. ATX Form Factor; 30.5cm x 24.4cm</li> </ol>
	<p>1. Due to different Linux support condition provided by chipset vendors, please download Linux</p>

Form factor	1. ATX Form factor, 30.5cm x 27.7cm
<b>Remark</b>	<p>1. Due to different Linux support condition provided by chipset vendors, please download Linux driver from chipset vendors' website or 3rd party website.</p> <p>2. Most hardware/software vendors may no longer offer drivers to support Win9X/ME/2000/XP. If drivers are available from the vendors, we will update them on the GIGABYTE website.</p>

\* The entire materials provided herein are for reference only. GIGABYTE reserves the right to modify or revise the content at anytime without prior notice.

\* Advertised performance is based on maximum theoretical interface values from respective Chipset vendors or organization who defined the interface specification. Actual performance may vary by system configuration.

\* All trademarks and logos are the properties of their respective holders.

\* Due to standard PC architecture, a certain amount of memory is reserved for system usage and therefore the actual memory size is less than the stated amount.