



- Built-in Intel<sup>®</sup> Celeron<sup>™</sup> N3150 (1.6 GHz) quad-core processor
- GIGABYTE Ultra Durable™ Technology
- Dual channel DDR3/-L SO-DIMM slot support
- All Solid Capacitors with Humidity Protection New Glass Fabric PCB design
- Dual GbE LAN with high ESD Protection
- Extra two SATA 6Gb/s interfaces for more system storage connectivity
- High Quality Audio Capacitors
- PCI interface for wide-range expansion card selections
- M.2 PCIe expansion slot supports wireless networking cards
  - CPU

- Built in with an Intel<sup>®</sup> Quad-Core Celeron<sup>®</sup> N3150 SoC (1.6 GHz)
   \* Do not disassemble the onboard SoC and the heatsinks by yourself to avoid damage to these components.
- 2. 2 MB Cache

89.95 EUR incl. 19% VAT, plus shipping



Memory	<ol> <li>2 x DDR3 SO-DIMM sockets supporting up to 8 GB of system memory         <ul> <li>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> </ul> </li> </ol>
	2. Dual channel memory architecture
	<ol> <li>Support for DDR3/DDR3L 1600/1333 MHz memory modules</li> <li>* Due to an SoC limitation, if a 1333 MHz memory is installed, it will be downgraded to 1066 MHz.</li> </ol>
	4. Support for non-ECC memory modules
	(Please refer "Memory Support List" for more information.)
Onboard Graphics	Integrated in the SoC:
	1. 1 x D-Sub port, supporting a maximum resolution of 1920x1200@60 Hz
	<ul> <li>2. 1 x DVI-D port, supporting a maximum resolution of 1920x1200@60 Hz</li> <li>* The DVI-D port does not support D-Sub connection by adapter.</li> </ul>
	Maximum shared memory of 512 MB
Audio	1. Realtek <sup>®</sup> ALC887 codec
	2. High Definition Audio
	<ul> <li>3. 2/4/5.1/7.1-channel</li> <li>* To configure 7.1-channel audio, you have to use an HD front panel audio module and enable the multi-channel audio feature through the audio driver.</li> </ul>
LAN	1. 2 x Realtek <sup>®</sup> GbE LAN chips (10/100/1000 Mbit)
Expansion Slots	1. 1 x PCI slot
	2. 1 x M.2 Socket 1 connector for the wireless communication module (M2_WIFI)
Storage Interface	SoC:
	1. 2 x SATA 6Gb/s connectors (SATA 3 0/1)
	ASMedia <sup>®</sup> ASM1061 chip:
	1. 2 x SATA 6Gb/s connectors (SATA 3 2/3)Š

USB

SoC:

1. 4 x USB 3.0/2.0 port (2 ports on the back panel, 2 ports available through the internal USB header)

SoC+2 x GENESYS LOGIC USB 2.0 Hubs:

- 1. 6 x USB 2.0/1.1 ports (2 ports on the back panel, 4 ports available through the internal USB headers)
- 1. 1 x 24-pin ATX main power connector
- 2. 1 x 4-pin ATX 12V power connector
- 3. 4 x SATA 6Gb/s connectors
- 4. 1 x CPU fan header
- 5. 1 x system fan header
- 6. 1 x front panel header
- 7. 1 x front panel audio header
- 8. 1 x USB 3.0/2.0 header
- 9. 2 x USB 2.0/1.1 headers
- 10. 1 x parallel port header
- 11. 1 x Clear CMOS jumper
- 12. 1 x chassis intrusion header
- 1. 1 x PS/2 mouse port
- 2. 1 x PS/2 Keyboard port
- 3. 2 x serial ports
- 4. 1 x D-Sub port

5. 1 x DVI-D port

Back Panel Connectors

Internal I/O Connectors

- 6. 2 x USB 3.0/2.0 ports
- 7. 2 x USB 2.0/1.1 ports
- 8. 2 x RJ-45 ports
- 9. 3 x audio jacks (Line In, Line Out, Mic In)
- I/O Controller
- 1. iTE<sup>®</sup> I/O Controller Chip



H/W Monitoring	1. System voltage detection
	2. CPU/System temperature detection
	3. CPU/System fan speed detection
	<ul> <li>4. CPU/System fan speed control</li> <li>* Whether the fan speed control function is supported will depend on the cooler you install.</li> </ul>
BIOS	1. 2 x 64 Mbit flash
	2. Use of licensed AMI UEFI BIOS
	3. Support for DualBIOS™
	4. PnP 1.0a, DMI 2.7, WfM 2.0, SM BIOS 2.7, ACPI 5.0
Unique Features	1. Support for Xpress Install
	2. Support for @BIOS
	<ol> <li>Support for APP Center</li> <li>* Available applications in APP Center may vary by motherboard model. Supported functions of each application may also vary depending on motherboard specifications.</li> </ol>
Bundle Software	1. Norton <sup>®</sup> Internet Security (OEM version)
Operating System	1. Support for Windows 10 32-bit/64-bit
	2. Support for Windows 8.1 64-bit
	<ol> <li>Support for Windows 7 32-bit/64-bit</li> <li>* Please download the "Windows USB Installation Tool" from GIGABYTE's website and install it before installing Windows 7.</li> </ol>
Form Factor	1. Mini-ITX Form Factor; 17.0cm x 17.0cm
Remark	<ol> <li>Due to different Linux support condition provided by chipset vendors, please download Linux driver from chipset vendors' website or 3rd party website.</li> </ol>
	<ol> <li>Most hardware/software vendors may no longer offer drivers to support Win9X/ME/2000/XP SP1/SP2. If drivers are available from the vendors, we will update them on the GIGABYTE website.</li> </ol>