GA-N3050N-D2P (rev. 1.0)

Intel® Celeron™ N3050

CPU	1. Built in with an Intel® Dual-Core Celeron® N3050 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
Memory	1. 2 x DDR3/-L U-DIMM sockets supporting up to 8 GB of system memory * If only one DDR3/-L memory module is to be installed, be sure to install it in the UDIMM_1 socket. 2. Dual channel memory architecture 3. Support for DDR3/-L 1066/1600 MHz memory modules 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 2560x1600 2. 1 x HDMI port, supporting a maximum resolution of 3840x2160
Audio	1. Realtek® ALC887 codec 2. High Definition Audio 3. 2/4/5.1/7.1-channel * 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.
LAN	1. Realtek® GbE LAN chip (10/100/1000 Mbit)
Expansion Slots	1. 1 x PCI slot
Storage Interface	Integrated in the SoC: 1. 2 x SATA 6Gb/s connectors
USB	Integrated in the SoC: 1. 4 x USB 3.0/2.0 port on the back panel 2. 4 x USB 2.0/1.1 ports (4 ports available through the internal USB header)
Internal I/O Connectors	1. 1 x 24-pin ATX main power connector 2. 1 x 4-pin ATX 12V power connector 3. 2 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. 2 x USB 2.0/1.1 header
	9. 1 x serial port header
	10. 1 x debug card header
	11. 1 x chassis intrusion header
Overview **Specification** Support & Downloads FAQ	
	12. 1 x Clear CMOS jumper
Back Panel Connectors	1. 1 x D-Sub port
	2. 1 x HDMI port
	3. 1 x serial port
	4. 1 x parallel port
	5. 4 x USB 3.0/2.0 port
	6. 1 x RJ-45 port
	7. 3 x audio jacks (Line In, Line Out, Mic In)
I/O Controller	1. iTE® I/O Controller Chip
H/W Monitoring	1. System voltage detection
	2. CPU/System temperature detection
	3. CPU/System fan speed detection
	4. CPU/System fan speed control
	* Whether the fan speed control function is supported will depend on the cooler you install.
BIOS	1. 1 x 64 Mbit flash
	2. Use of licensed AMI UEFI BIOS
	3. 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
	3. Support for APP Center
	* Available applications in APP Center may differ by motherboard model. Supported functions of each application may also differ depending on motherboard specifications.
Bundle Software	1. Norton® Internet Security (OEM version)
Operating System	1. Support for Windows 10 32-bit/64-bit
	2. Support for Windows 8.1/7 64-bit
	* Please download the "Windows USB Installation Tool" from GIGABYTE's website and install it before installing Windows 7.
Form Factor	1. Mini-ITX Form Factor; 17.0cm x 17.0cm
Remark	1. Due to different Linux support condition provided by chipset vendors, please download Linux driver from chipset vendors' website or 3rd party website.
	2. 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.