

# Gigabyte GA-H77N-WIFI (for i3, i5, i7 [Sockel LGA1155], Ivy/Sandy Bridge, 2x LAN, 2x HDMI, WLAN/BT, Intel Wireless Display) \*new\*

[http://www.cartft.com/catalog/il/1621]



#### 109.95 EUR

incl. 19% VAT, plus shipping

- Intel WiFi, Intel WiDi!
- Dual Gigabit LAN!
- · Gigabyte Features!
- Intel Ivy/Sandy Bridge!

#### Features:

- Intel H77

- RAM: 2x DDR3

- Expansion: 1x PCIe 3.0 x16

- External : 1x DVI-I, 2x HDMI, 2x USB 3.0, 4x USB 2.0, 2x Gb LAN (Realtek), 7.1 Audio (ALC892), 1x PS/2 Combo

- Internal: 2x USB 3.0, 2x USB 2.0, 2x SATA 6Gb/s, 2x SATA II, 1x CPU-Lüfter PWM, 1x Lüfter PWM, 1x serial

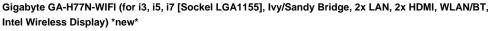
- Notes: Mini-ITX, UEFI, All Solid Capacitors, WLAN 802.11b/g/n, Bluetooth 4.0

Support for Intel<sup>®</sup> Core<sup>™</sup> i7 processors/Intel<sup>®</sup> Core<sup>™</sup> i5 processors/Intel<sup>®</sup> Core<sup>™</sup> i3 processors/Intel<sup>®</sup>
Pentium<sup>®</sup> processors/Intel<sup>®</sup> Celeron<sup>®</sup> processors in the LGA1155 package

CPU 2. L3 cache varies with CPU

(Some Intel<sup>®</sup> Core<sup>™</sup> processors require a graphic card, please refer "CPU support List" for more information.)

Chipset 1. Intel® H77 Express Chipset



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- 1. 2 x 1.5V DDR3 DIMM sockets supporting up to 16 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.
- 2. Dual channel memory architecture

## Memory

- 3. Support for DDR3 1600/1333/1066/800 MHz memory modules
  - \* To support DDR3 1600 MHz, you must install an Intel 22nm (Ivy Bridge) CPU.
- 4. Support for non-ECC memory modules
- 5. Support for Extreme Memory Profile (XMP) memory modules

(Please refer "Memory Support List" for more information.)

#### Integrated Graphics Processor:

# Onboard Graphics

- 1. 1 x DVI-I port, supporting a maximum resolution of 1920x1200
- 2. 2 x HDMI ports, supporting a maximum resolution of 1920x1200
- 1. Realtek ALC892 codec
- 2. High Definition Audio

## Audio

- 3. 2/4/5.1/7.1-channel
- 4. Support for S/PDIF Out

## LAN

1. 2 x Realtek GbE LAN chip (10/100/1000 Mbit)

# Wireless

module

2. Bluetooth 4.0, 3.0+HS, 2.1+EDR

Communication

# **Expansion Slots**

1. 1 x PCI Express x16 slot, running at x16 (The PCIEX16 slot conforms to PCI Express 3.0 standard.)

1. Wi-Fi 802.11 b/g/n, Supports Intel Wireless Display (WiDi)

\* Whether PCI Express 3.0 is supported depends on CPU and graphics card compatibility.

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#### Chipset:

1. 2 x SATA 6Gb/s connectors (SATA3 0/1) supporting up to 2 SATA 6Gb/s devices

# Storage Interface

- 2. 2 x SATA 3Gb/s connectors (SATA2 2/3) supporting up to 2 SATA 3Gb/s devices
- 3. Support for RAID 0, RAID 1, RAID 5, and RAID 10
  - \* 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.

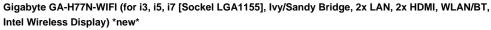
## Chipset:

## USB

- 1. Up to 4 USB 3.0/2.0 ports (2 ports on the back panel, 2 ports available through the internal USB header)
- 2. Up to 6 USB 2.0/1.1 ports (4 ports on the back panel, 2 ports available through the internal USB header)
- 1. 1 x 24-pin ATX main power connector
- 2. 1 x 4-pin ATX 12V power connector
- 3. 1 x serial port header
- 4. 2 x SATA 6Gb/s connectors
- 5. 2 x SATA 3Gb/s connectors
- 6. 1 x USB 3.0/2.0 header

# Internal I/O Connectors

- 7. 2 x USB 2.0/1.1 headers
- 8. 1 x CPU fan header
- 9. 1 x system fan header
- 10. 1 x front panel header
- 11. 1 x front panel audio header
- 12. 1 x S/PDIF Out header
- 13. 1 x Clear CMOS jumper







- 1. 1 x PS/2 keyboard/mouse port
- 2. 2 x HDMI ports
- 3. 2 x antenna connectors
- 4. 1 x DVI-I port

# Back Panel Connectors

- 5. 2 x USB 3.0/2.0 ports
- 6. 4 x USB 2.0/1.1 ports
- 7. 2 x RJ-45 ports
- 8. 1 x optical S/PDIF Out connector
- 9. 5 x audio jacks (Center/Subwoofer Speaker Out, Rear Speaker Out, Line In, Line Out, Mic In)

## I/O Controller

- 1. iTE I/O Controller Chip
- 1. System voltage detection
- 2. CPU/System temperature detection

## H/W Monitoring

- 3. CPU/System fan speed detection
- 4. CPU fan speed control
  - \* Whether the CPU fan speed control function is supported will depend on the CPU cooler you install.
- 1. 2 x 64 Mbit flash
- 2. Use of licensed AMI EFI BIOS

# BIOS

- 3. Support for DualBIOS™
- 4. PnP 1.0a, DMI 2.0, SM BIOS 2.6, ACPI 2.0a

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- 1. Support for @BIOS
- 2. Support for Q-Flash
- 3. Support for Xpress Install
- 4. Support for EasyTune
  - \* Available functions in EasyTune may differ by motherboard model.
- 5. Support for eXtreme Hard Drive (X.H.D)

#### **Unique Features**

- 6. Support for Auto Green
- 7. Support for ON/OFF Charge
- 8. Support for Q-Share
- 9. Support for EZ Setup
- 10. Support for Intel Wireless Display (Intel WiDi)
- 11. Exclusive Bluetooth 4.0/WiFi module
- 1. Norton Internet Security (OEM version)
- 2. Intel® Rapid Start Technology

#### **Bundle Software**

- 3. Intel® Smart Connect Technology
- 4. Intel<sup>®</sup> Smart Response Technology

# Operating System

1. Support for Microsoft® Windows 8/7/XP

## Form Factor

- 1. Mini-ITX Form Factor; 17.0cm x 17.0cm
- 1. Due to different Linux support condition provided by chipset vendors, please download Linux driver from chipset vendors' website or 3rd party website.

#### Remark

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.