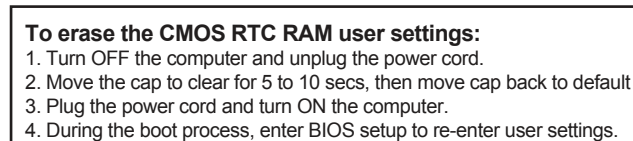


Motherboard layout reference

- Specifications summary
- Motherboard layout
- Rear panel connectors
- Function selectors
- LAN port LED indicators
- Internal connectors

CPU	Intel Socket LGA1151
Chipset	Intel PCH B150
Memory	Dual-channel, 4Slots, Non-ECC, Unbuffered, 288 pin DDR4, Max. up to 64GB for all. Types: DDR4-1866/DDR4-2133
Expansion slots	2 x PCI Express slot (x16) 1 x PCI slot 1 x M.2 slot(SSD) 1 x M.2 slot(WLAN)
LAN	REALTEK RTL8111EPV or REALTEK RTL8111GN
Storage	4x SATA III connectors
Audio	REALTEK ALC662-VD(6-channel)
USB	4x USB 2.0 6x USB 3.0
Alarm device	Buzzer
Super I/O	ITE 8625E/DX
TPM IC	INFINEON/SLB9670VQ1.2/2.0 (Optional)
Rear panel I/O ports (The actual spec will be different depending on Model SKUs)	1x PS2/Keyboard+ PS2/Mouse 1x DVI port 1x VGA port 1x HDMI port 1x Display port(Co-lay with HDMI) 1x RJ45 LAN port + Dual USB2.0 1x Quad USB3.0 Stack 1x Audio 5.1ch (3 ports)
Internal Headers. (The actual spec will be different depending on Model SKUs)	1x ATX power (24 pin) 1x ATX 12V (4 pin) 1x CPU FAN (4 pin-PWM) 1x System FAN (4 pin-PWM) 1x Intel Front panel (2x5 pin) 1x Azalia Analog Front panel (2x5 pin) 1x LPT header 2x COM header (2x5 pin) 4x SATAIII 1x USB2.0 header(Support 2 USB ports) 1x USB3.0 header (Support 2 USB ports) 1x CLR_CMOS header (2x3 pin) & Password (integrate ME update header) 1x Chassis Intruder
Internal selectors	1x Clear CMOS selector 1x ME UPDATE selector (Optional)
Form Factor	uATX Form Factor 9.6" * 9.6",
BIOS	AMI 128Mb



Left (ACTIVITY)

- Green : Activity
- Off : No Activity

LAN port

Right (LINK)

- Orange : 1G Link
- Green : 100M Link
- Off : 10M Link

1

FRONT PANEL
AUDIO CONNECTOR

F_AUDIO

2

INTRUDER HEADER

INTRUDER

3

USB 3.0 HEADER

F_USB3

4

USB 2.0 HEADER (2)

F_USB2

5

FRONT PANEL
HEADER

F_PANEL

6

SATA III

SATA III

7

ATX POWER
CONNECTOR

ATX POWER

8

COM HEADER

COM

9

LPT HEADER

LPT

10

TPM HEADER

TPM

11

CPU FAN
CONNECTOR

CPU_FAN

12

SYSTEM FAN 1
HEADER

SYS_FAN

13

ATX CPU POWER
CONNECTOR

ATX_CPU

14

COM HEADER

COM

15

MONO OUT HEADER

MONO_OUT