

H110D4-M1 Series R1.0

Motherboard layout reference

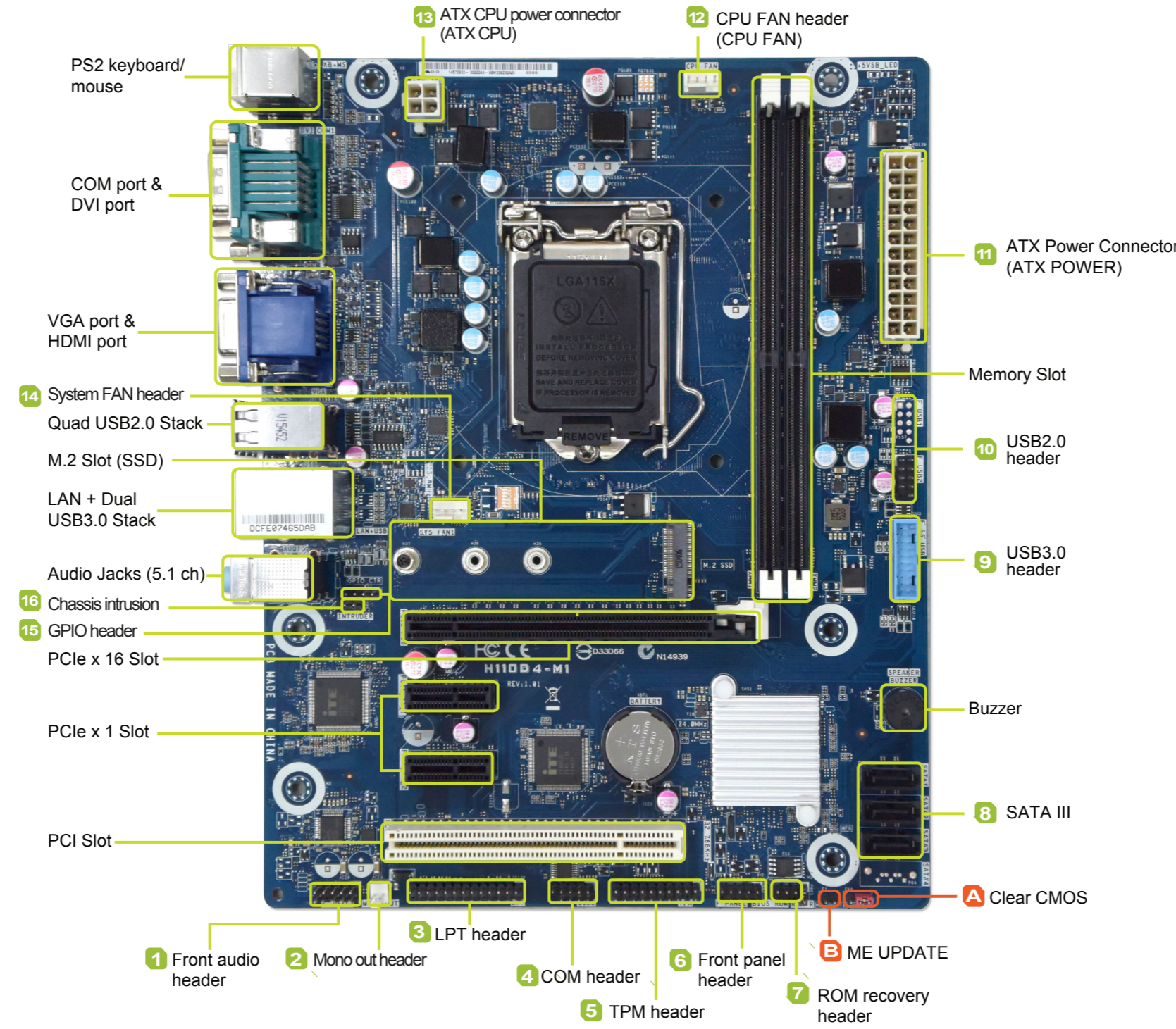
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Specifications summary

CPU	Intel Socket LGA1151 TDP 65W
Chipset	Intel PCH H110
Memory	Dual-channel, 2 Slots, Non-ECC, Unbuffered, 288 pin DDR4, Max. up to 32GB for all. Types: 1866 MT/s (PC4-1866) 2133 MT/s (PC4-2133)
Graphics	Integrated Graphics
Expansion Slot	1x PCI Express slot (x16) 2x PCI Express slot (x1) 1x PCI slot 1x PCIe M.2 slot (Socket 3) for SATA SSD, Card length support 2242, 2260, 2280 mm
Audio	Realtek ALC662 5.1CH HD Audio
LAN	Realtek RTL8111H Gigabit LAN
Storage	4x SATA III connectors (3, if M.2 mounted)
USB	★ 6 x USB2.0 4 x USB 3.0
Alarm device	Buzzer (co-lay speaker)
Rear panel I/O ports (Depending on model)	1 x PS/2 Keyboard/Mouse 1 x VGA port 1 x DVI port 1 x HDMI port (Optional) 1 x COM port (Optional) 4 x USB 2.0 ports (Optional) 2 x USB 2.0 ports 1 x LAN port (RJ45) + 2 x USB 3.0 ports 1 x Audio I/O(3 ports, 6CH)
Internal Headers. (The actual spec will be different depending on Model SKUs)	Chassis Intrusion (1x2 pin) CPU FAN (4 pin-PWM) Chassis FAN (4 pin-PWM) Intel Front Panel (2x5 pin) Azalia Analog Front Audio (2x5 pin) ATX power (24 pin) ATX12V (4 pin) COM port header (2x5 pin) LPT header (2x13 pin) Clear COMS/RTC header (1x3 pin) ME update header (1x2 pin) (Optional) TPM/TCM header (2x10 pin) USB 2.0 header (2x5pin) USB 3.0 header (2x10pin) Mono-Out Header(Wafer 1x2pin)(w/ Amplifier) (Optional)
Internal selectors	1x Clear CMOS selector 1x ME UPDATE selector (Optional)
Super I/O	IT8625E/DX
PCIe to PCI bridge IC	IT8892IX
BIOS	AMI 64Mb
Form Factor	uATX Form Factor 9.6" x 7.6"

Motherboard layout



Internal connectors

1 FRONT PANEL AUDIO CONNECTOR

F_AUDIO

2 MONO OUT HEADER

MONO_OUT

3 LPT HEADER

LPT

4 COM HEADER

COM

5 TPM HEADER

TPM

6 FRONT PANEL HEADER

F_PANEL

7 ROM RECOVERY CONNECTOR

ROM_R

8 SATA III

SATA0 SATA1

9 USB 3.0 HEADER

F_USB3

10 USB 2.0 HEADER

F_USB3 F_USB2 F_USB1

11 ATX POWER CONNECTOR

ATX POWER

12 CPU FAN CONNECTOR

CPU_FAN

13 ATX CPU POWER CONNECTOR

ATX_CPU

14 SYSTEM FAN HEADER

SYS_FAN

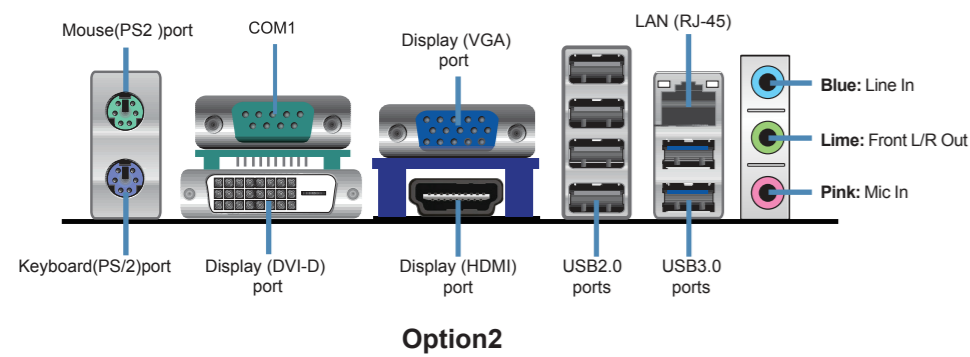
15 GPIO HEADER

GPIO

16 CHASSIS INTRUSION

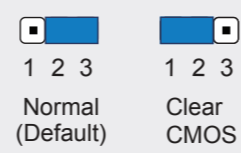
INTRUDER

Rear panel connectors



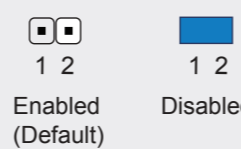
Function Selectors

A CLEAR CMOS



CLEAR CMOS

B ME UPDATE (Intel Management Engine) SELECTOR



ME UPDATE

To erase the CMOS RTC RAM user settings:
 1. Turn OFF the computer and unplug the power cord.
 2. Move the cap to clear for 5 to 10 secs, then move cap back to default.
 3. Plug the power cord and turn ON the computer.
 4. During the boot process, enter BIOS setup to re-enter user settings.

LAN port LED indicators

Left (ACTIVITY) Green : Activity Off : No Activity		Right (LINK) Orange : 1G Link Green : 100M Link Off : 10M Link
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