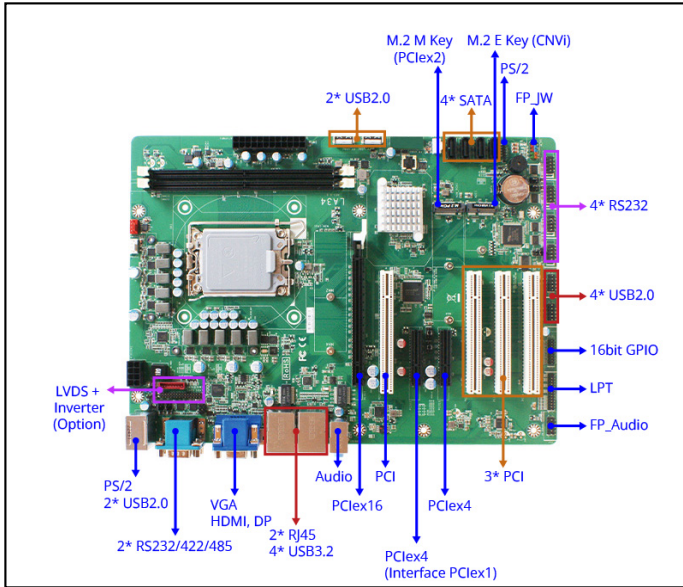


ATX Board with Intel® 14th/13th/12th Gen LGA1700 Socket Processor, DDR5 up to 96GB, and Triple Display Support



Features

- **Power by Intel® 14th/13th/12th Gen LGA1700 Socket CPU (up to 125W TDP) with H610/H610E Chipset**
- **High-Performance Memory: 2 x DDR5 4800MHz UDIMM, up to 96GB**
- **Triple Display Support: 1 x VGA, 1 x LVDS/eDP, 1 x HDMI, 1 x DP, supporting up to 4K/8K resolution**
- **Reliable Networking: 1 x 2.5GbE, 1 x GbE for high-speed connectivity**
- **Comprehensive I/O: 6 x COM, 4 x USB 3.2, 6 x USB 2.0, and 2 x USB 2.0 (Vertical)**
- **Storage & M.2 Expansion: 4 x SATA III, 1 x M.2 M-key, 1 x M.2 E-key**
- **PCI Expansion Slots: 2 x PCIe x4 (PCIe2 is NC + PCIe x4 on PCIe3, or PCIe x1 on PCIe2 + PCIe x2 on PCIe3)**
- **Power Input: Standard ATX Power**

Packing List

PART NUMBER	DESCRIPTION	QTY
LA34-H6100 Series	LA34-H6100 Series M/B	1
F04-MB-060-F	I/O Shield	1
G01-SATA3-BL-1F	SATA III Cable 50cm	2
G01-COM9X2-30A-1F	Cable and COM9x2 K=10 30cm	1

Optional Accessory

PART NUMBER	DESCRIPTION	QTY
G01-SATA3-BL-1F	SATA III Cable 50cm	1
G01-COM9X2-30A-1F	1 x Cable and COM9x2 K=10 30cm	1

Specifications

SYSTEM	
MB FORM FACTOR	ATX
CPU	Intel® LGA1700 12/13/14th Gen Socket Processor (Formerly Alder Lake-S, TDP 125W)
CHIPSET	Intel® H610/H610E
MEMORY	2 x DDR5 4800MHz, Dual Channel SO-DIMM, up to 96GB
BIOS	AMI Flash ROM
WATCHDOG TIMER	255 Levels
SECURITY	TPM2.0
DIMENSION (W X D)	305.0 (W) x 220.0 (D) mm (12" x 8.7")
OS SUPPORT	Windows® 11 (64bit) Windows® 10 (64bit) Linux
POWER	
POWER REQUIREMENT	ATX Power Supply
POWER ON MODE	AT / ATX
CONNECTOR	24+8-pin ATX PWR
DISPLAY	
GPU	Intel® HD Graphics
LVDS	1 x LVDS/eDP (Max. Resolution: 1920 x 1080 @60Hz, Option)
DP	1 x DP1.4 (Max Resolution: 7680 x 4320@60Hz)
HDMI	1 x HDMI 2.0 (Max Resolution: 4096 x 2304@60Hz)
VGA	1 x VGA (Max Resolution: 1920 x 1200 @60Hz)
MULTIPLE DISPLAY	Support 3 Displays
AUDIO	
CODEC	Realtek Audio Codec
Line-in	1 x Audio Jack for Line-In
Line-out	1 x Audio Jack for Line-Out
MIC-in	1 x Audio Jack for MIC-In
LAN	
ETHERNET	1 x RJ45 for Intel® I226-V 2.5GbE 1 x RJ45 for Intel® I219-V GbE
USB PORT	
USB	4 x USB 3.2 Gen 1x1 (5Gbps, Formerly USB 3.1 Gen 1) 2 x USB 2.0 Internal Header for 4 x USB 2.0 Internal USB Type A (Vertical) for 2 x USB 2.0
SERIAL PORT	
COM	2 x DB-9 for RS-232/422/485 Internal Header for 4 x RS-232
INTERNAL I/O	
GPIO	16 bit GPIO (5V) Co-lay LPT
SMBUS	Yes
FAN	1 x CPU Fan Header (Smart Fan) 2 x System Fan Header
STORAGE	
ADDITIONAL	1 x Chassis intrusion 1 x FP_Audio 1 x PS/2 1 x LVDS/EDP + Inverter (Option for Factory)
SATA	4 x SATA III
EXPANSION	
M.2	1 x M-Key 2242/2280 (PCIe 3.0 x2) 1 x E-Key 2230 (USB2.0) Support CNVi
PCIe	2 x PCIe x4 (PCIe2 is NC + PCIe x4 on PCIe3, or PCIe x1 on PCIe2 + PCIe x2 on PCIe3)
ENVIRONMENT & CERTIFICATION	
SHOCK	15G, 11ms duration
VIBRATION	1 Grms/ 5- 500Hz/ Operation
OPERATING TEMPERATURE	-10°C ~ 60°C (14°F ~ 140°F) with 0.5 m/s airflow
STORAGE TEMPERATURE	-20°C ~ 70°C (-4°F ~ 158°F)
OPERATING HUMIDITY	10 ~ 90% Relative Humidity, Non-condensing
CERTIFICATION	CE/FCC Class A LVD
ESG DECLARATION	EU RoHS China RoHS

Ordering Information

PART NUMBER	LA34-H6100	LA34-H6102
CPU	Intel® Socket LGA1700 CPU	Intel® Socket LGA1700 CPU
SECURITY		TPM2.0 (dTPM)
POWER REQUIREMENT	ATX Power Supply	ATX Power Supply
GPU	Intel® UHD Graphics	Intel® UHD Graphics
LVDS	1 x LVDS/eDP (Optional)	1 x LVDS/eDP (Optional)
DP	1 x DP	1 x DP
HDMI	1 x HDMI	1 x HDMI
VGA	1 x VGA	1 x VGA
MULTIPLE DISPLAY	Support 3 Displays	Support 3 Displays
ETHERNET	1 x 2.5GbE	1 x 2.5GbE
ETHERNET	1 x GbE	1 x GbE
USB	4 x USB 3.2	4 x USB 3.2
USB	8 x USB 2.0	8 x USB 2.0
COM	2 x RS-232/422/485	2 x RS-232/422/485
COM	4 x RS-232	4 x RS-232
SATA	4 x SATA III	4 x SATA III
M.2	1 x M-Key 2242/2280	1 x M-Key 2242/2280
M.2	1 x E-Key 2230	1 x E-Key 2230
PCI-E	2 x PCI-E x4 (PCI-E2 is NC + PCI-E x4 on PCI-E3, or PCI-E x1 on PCI-E2 + PCI-E x2 on PCI-E3)	2 x PCI-E x4 (PCI-E2 is NC + PCI-E x4 on PCI-E3, or PCI-E x1 on PCI-E2 + PCI-E x2 on PCI-E3)
OPERATING TEMPERATURE	-10°C - 60°C (14°F - 140°F) with 0.5 m/s airflow	-10°C - 60°C (14°F - 140°F) with 0.5 m/s airflow