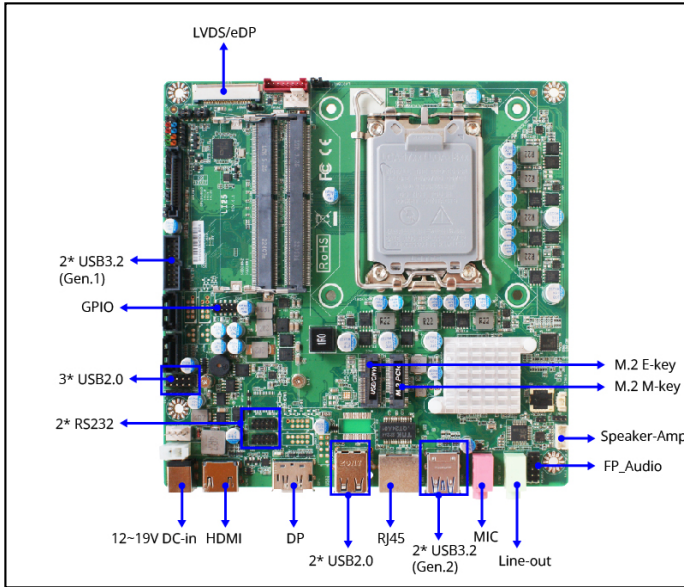


Mini-ITX Motherboard with Intel® LGA1700 12th/13th/14th Gen Socket Processor and H610 Chipset



## Features

- Supports Intel® LGA1700 12th/13th/14th Gen Socket Processors (Alder Lake-S, TDP up to 65W)
- Versatile Display Options: Equipped with 1 x HDMI, 1 x DP, and 1 x LVDS/eDP output
- Realtek Codec featuring 1 x 3W amplifier, 1 x speaker header for buzzer, 1 x line-out, and 1 x MIC input
- Comprehensive I/O: 2 x USB 3.2 Gen2, 2 x USB 3.2 Gen1, 5 x USB 2.0
- Storage & Expansion: 2 x SATA III, 1 x M.2 M-Key slot, 1 x M.2 E-Key slot
- Security Enhancements: Optional onboard TPM 2.0 support for added data protection

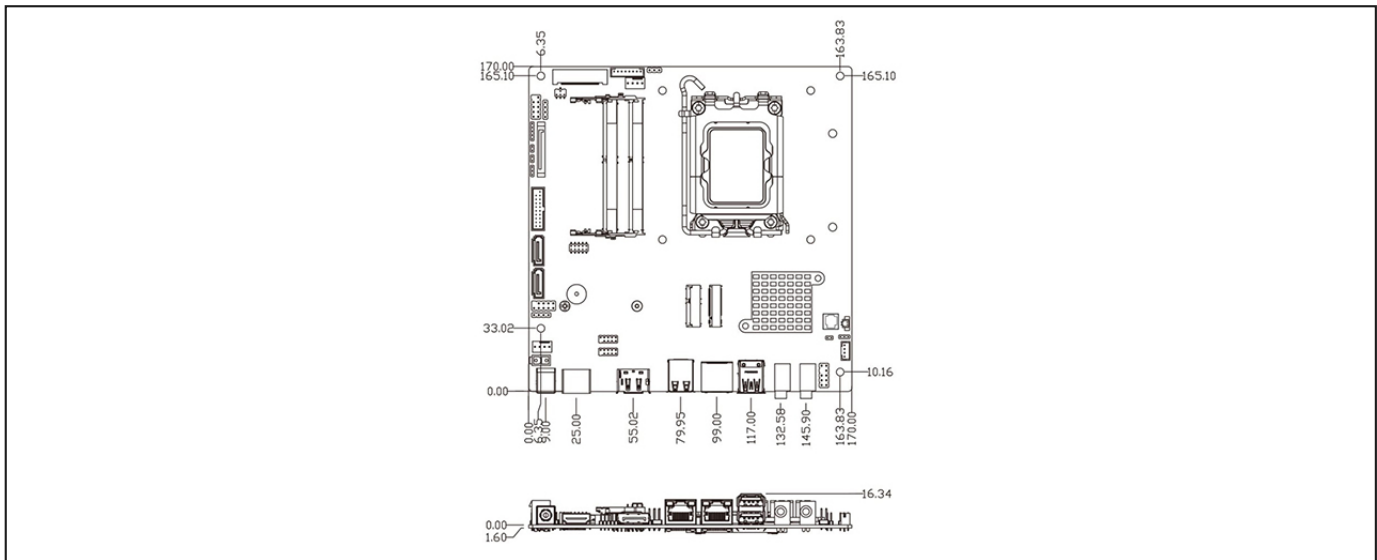
## Packing List

PART NUMBER	DESCRIPTION	QTY
LI25 Series	LI25 Series M/B	1
F04-MB-092-F	I/O Shield	1
G01-SATA3-BL-1F	SATA Cable	1
G01-COM-H2M22-1F	COM Cable	2

## Specifications

SYSTEM	
MB FORM FACTOR	Mini-ITX
CPU	Intel® LGA1700 12/13/14th Gen Socket Processor (Formerly Alder Lake-S, TDP 65W)
CHIPSET	Intel® H610
MEMORY	2 x DDR4 3200MHz, Dual Channel SO-DIMM, up to 64GB
BIOS	AMI Flash ROM
WATCHDOG TIMER	255 Levels
SECURITY	TPM2.0 (Optional)
DIMENSION (W X D)	170.0 (W) x 170.0 (D) mm (6.7" x 6.7")
OS SUPPORT	Windows® 11 (64bit) Linux
POWER	
POWER REQUIREMENT	DC-in 12-19V
POWER ON MODE	AT / ATX
CONNECTOR	DC Jack
DISPLAY	
GPU	Intel® HD Graphics
LVDS	1 x LVDS (Max. Resolution: 2560 x 1600 @60Hz)
eDP	1 x eDP1.2 (Max Resolution: 1920 x 1080 @60Hz)
DP	1 x DP1.4 (Max Resolution: 7680 x 4320@60Hz)
HDMI	1 x HDMI 2.0 (Max Resolution: 4096 x 2160@60Hz)
MULTIPLE DISPLAY	Support 3 Displays
AUDIO	
CODEC	Realtek Audio Codec
Line-out	1 x Audio Jack for Line-Out
MIC-in	1 x Audio Jack for MIC-In
AMPLIFIER	3W
LAN	
ETHERNET	1 x RJ45 for Realtek® RTL8111H GbE
USB PORT	
USB	2 x USB 3.2 Gen 2x1 (10Gbps, Formerly USB 3.1 Gen 2) 2 x USB 2.0 Internal Header for 2 x USB 3.2 Internal Header for 3 x USB 2.0
SERIAL PORT	
COM	Internal Header for 2 x RS-232
INTERNAL I/O	
GPIO	8-Bit (5V)
SMBUS	Yes
FAN	1 x CPU Fan Header (Smart Fan) 1 x System Fan Header
ADDITIONAL	1 x Chassis Intrusion 1 x FP_Audio 1 x 2pin Power Connector 1 x 4pin Speaker header (for 3W Amplifier, PH2.0) 1 x 4pin Speaker header (for Buzzer, PH2.54) 1 x FP_JW 1 x LVDS/EDP + Inverter 1 x AT Mode Selection
STORAGE	
SATA	2 x SATA III 1 x SATA Power Connector
EXPANSION	
M.2	1 x M-Key 2242/2280 (PCIe 3.0 x4) 1 x E-Key 2230 (CNVi/PCIe x1/USB2.0) Support WiFi/BT Module
ENVIRONMENT & CERTIFICATION	
SHOCK	15G, 11ms duration
VIBRATION	1 Grms/ 5- 500Hz/ Operation
OPERATING TEMPERATURE	0°C - 60°C (32°F - 140°F)
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 REACH

## Dimension Unit: mm



## Ordering Information

PART NUMBER	LI25-H6100	LI25-H6102
CPU	Intel® Socket LGA1700 CPU	Intel® Socket LGA1700 CPU
SECURITY		TPM2.0
POWER REQUIREMENT	DC-in 12-19V	DC-in 12-19V
GPU	Intel® HD Graphics	Intel® HD Graphics
LVDS	1 x LVDS	1 x LVDS
eDP	1 x eDP	1 x eDP
DP	1 x DP	1 x DP
HDMI	1 x HDMI	1 x HDMI
MULTIPLE DISPLAY	Support 3 Displays	Support 3 Displays
ETHERNET	1 x GbE	1 x GbE
USB	2 x USB 3.2 Gen.2	2 x USB 3.2 Gen.2
USB	2 x USB 3.2	2 x USB 3.2
USB	5 x USB 2.0	5 x USB 2.0
COM	2 x RS-232	2 x RS-232
SATA	2 x SATA III	2 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
OPERATING TEMPERATURE	0°C - 60°C (32°F - 140°F)	0°C - 60°C (32°F - 140°F)