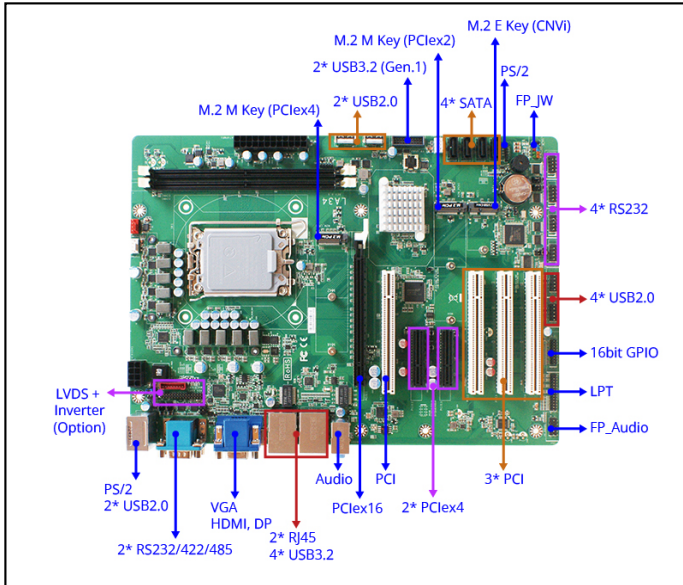


ATX Motherboard with Intel® LGA1700 12/13/14th Gen Socket Processor and Intel® Alder lake-S B760 Chipset



Features

- Powered by Intel® LGA1700 12/13/14th Gen Socket Processor (Formerly Alder Lake-S, TDP 125W)
- High-Speed Memory Support: 2 x DDR5 4800MHz Dual Channel UDIMM, up to 64GB
- Storage Expansion: 4 x SATA III, 2 x M.2 M-key 2242/2280
- Additional Expansion: 1 x M.2 E-key 2230, 1 x PCI-Ex16, 2 x PCI-Ex4, 4 x PCI
- Comprehensive I/O: 6 x USB 3.2 Gen 1, 8 x USB 2.0, 6 x COM ports, 1 x 16-bit GPIO
- Versatile Display Options: 1 x HDMI 2.0, 1 x DP 1.4, 1 x VGA, and 1 x LVDS/eDP (optional)
- Enhanced Security: Optional onboard TPM 2.0

Packing List

PART NUMBER	DESCRIPTION	QTY
LA34-B7600 Series	LA34-B7600 Series M/B	1
F04-MB-060-1F	I/O Shield	1
G01-SATA3-BL-1F	SATA III Cable 50cm	2
G01-COM9X2-30A-1F	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® B760
MEMORY	2 x DDR5 4800MHz, Dual Channel U-DIMM, up to 64GB
BIOS	AMI Flash ROM
WATCHDOG TIMER	255 Levels
SECURITY	TPM2.0 (Optional)
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 2 x USB 3.2 Internal USB Type A (Vertical) for 2 x USB 2.0 Internal Header for 4 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
ADDITIONAL	1 x Chassis Intrusion 1 x PS/2 1 x FP_Audio 1 x LVDS/EDP + Inverter (Option for Factory)
STORAGE	
SATA	4 x SATA III
EXPANSION	
M.2	1 x M-Key 2242/2280 (PCIe 3.0 x2) 1 x M-Key 2242/2280 (PCIe 4.0 x4) 1 x E-Key 2230 (USB 2.0/PCIe x1) Support CNVi
PCIe	1 x PCIe x16 (Gen.4) 2 x PCIe 3.0 x4 4 x PCI
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

Ordering Information

PART NUMBER	LA34-B7600	LA34-B7602
CPU	Intel® Socket LGA1700 CPU	Intel® Socket LGA1700 CPU
SECURITY		TPM2.0
POWER REQUIREMENT	ATX Power Supply	ATX Power Supply
GPU	Intel® HD Graphics	Intel® HD 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 4 Displays	Support 4 Displays
ETHERNET	1 x 2.5GbE	1 x 2.5GbE
ETHERNET	1 x GbE	1 x GbE
USB	6 x USB 3.2	6 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 E-Key 2230	1 x E-Key 2230
M.2	2 x M-Key 2242/2280	2 x M-Key 2280
PCIe	1 x PCIe x16	1 x PCIe x16
PCIe	2 x PCIe x4	2 x PCIe x4
PCIe	4 x PCI	4 x PCI
OPERATING TEMPERATURE	0°C - 60°C (32°F - 140°F)	0°C - 60°C (32°F - 140°F)