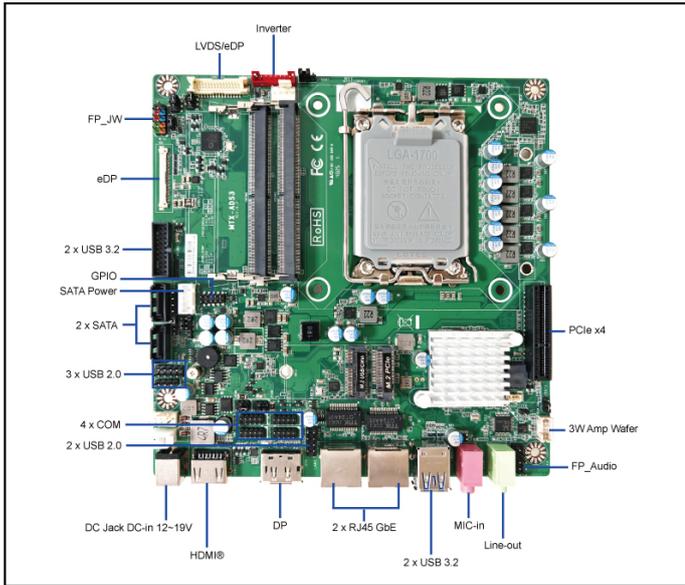


170 x 170mm size with 14th/13th/12th Intel® Core™ i9/i7/ i5 /i3, Celeron & Pentium® LGA1700 Socket Processor , DDR5 up to 96GB, support 3 display



## Features

- Intel® 14th/13th/12th LGA1700 Socket Processor (Max.65W TDP)
- Intel® Alder Lake-S H610 Chip
- 2 x DDR5 4800 MT/s UDIMM, up to 96 GB
- 1 x HDMI®, 1 x DP, 1 x LVDS/eDP, 1 x eDP
- 2 x GbE LAN
- 2 x USB 3.2 (Gen 2), 2 x USB 3.2 (Gen 1), 5 x USB 2.0
- 1 x M.2 M-key (2242/2280, PCIe x4 Gen 3), 1 x M.2 E-key (2230), 2 x SATA III (6 Gb/s), 4 x COM ports
- 1 x PCIe x4 slot (Gen 4)

## Packing List

PART NUMBER	DESCRIPTION	QTY
MTX-ADS3 Series	MTX-ADS3 Series M/B	1
F04-MB-092-F	LI25 DC Jack +HDMI +DP +RJ45/USB +RJ45 +USB3 +Line-out +MIC	1
G01-SATA3-BL-1F	CABLE for SATA3 50cm Blue w/LOCK	1
G01-COM-H2M22-1F	COM9 2 x 5P 1/2 K=9 L=220mm P=2.0	2

## Specifications

SYSTEM	
MB FORM FACTOR	Mini-ITX
CPU	Intel® LGA1700 12/13/14th Gen Socket Processor (Formerly Alder Lake-S, TDP 65W) For additional compatible CPUs, please contact regional sales
CHIPSET	Intel® H610
MEMORY	2 x DDR5 4800MT/s, Dual Channel SO-DIMM, up to 96GB
BIOS	AMI Flash ROM
WAKE ON LAN	Yes
WATCHDOG TIMER	255 Levels
SECURITY	Intel® PTT (Integrated fTPM) & TPM 2.0 (dTPM)
RTC BATTERY	Lithium Battery
DIMENSION (W X D)	170.0 (W) x 170.0 (D) mm (6.7" x 6.7")
OS SUPPORT	Windows® 11 (64bit), Windows® 10 (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/eDP (Max. Resolution: LVDS: 2560 x 1600 @ 60 Hz, eDP: 1920 x 1080 @ 60 Hz)
eDP	1 x eDP 1.4 (Max. Resolution: 5120 x 3200 @ 60 Hz)
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 ALC897
Line-out	1 x Audio Jack for Line-out
MIC-in	1 x Audio Jack for MIC-in
AMPLIFIER	3W
LAN	
ETHERNET	2 x RJ45 for Realtek® RTL8111H GbE
USB PORT	
USB	Internal Header for 2 x USB 3.2 Internal Header for 5 x USB 2.0 2 x USB 3.2 Gen 2x1 (10Gbps, Formerly USB 3.1 Gen 2)
SERIAL PORT	
COM	Internal Header for 2 x RS-232 Internal Header for 2 x RS-232/422/485
INTERNAL I/O	
GPIO	8-Bit
SMBUS	Yes
FAN	1 x CPU Fan Header 1 x System Fan Header
FRONT PANEL	HDD Active LED, Power LED, Power On/Off, Reset
ADDITIONAL	1 x Chassis intrusion 1 x FP_Audio 1 x Inverter 1 x 4pin Speaker header (for 3W Amplifier, PH2.0)
STORAGE	
SATA	1 x SATA III 1 x SATA Power Connector
EXPANSION	
PCIe	1 x PCIe Gen 4 x4
M.2	1 x M-Key 2242/2280 (PCIe Gen 3 x4) 1 x E-Key 2230 (CNVio/PCIe x1/USB2.0) support Wi-Fi/BT Module
OTHERs	
OTHER	1 x AT mode 1 x SMBUS
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% @ 40°C, Non-condensing
CERTIFICATION	CE/FCC Class A LVD
ESG DECLARATION	EU RoHS, China RoHS, REACH (Option)

## Ordering Information

PART NUMBER	MTX-ADS3-H61000A1	MTX-ADS3-H61002A1
CPU	Intel® Socket LGA1700 CPU	Intel® Socket LGA1700 CPU
SECURITY	Intel® PTT (fTPM)	TPM 2.0 (dTPM)