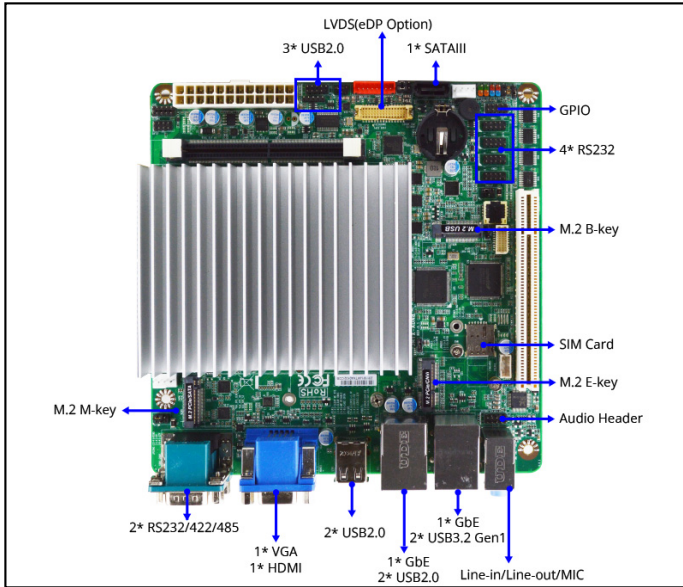


Mini-ITX motherboard with Intel® Processor N97, supporting Wide Temperature range from -20°C to 60°C



Features

- Triple display output with 1 x 4K HDMI, 1 x VGA, and 1 x LVDS/eDP
- Flexible storage solutions with 1 x SATA III, 1 x M.2 M-key, and optional 64GB eMMC
- Multiple expansion options: 1 x PCI, 1 x M.2 E-key, 1 x M.2 B-key, and 1 x SIM card slot
- Rich I/O options: 2 x USB 3.2, 7 x USB 2.0, 6 x COM, and 1 x GPIO
- Integrated Realtek audio codec with Line-in, Line-out, MIC, and 1 x 3W speaker support
- Supports ATX power input
- Wide temperature operation from -20°C to 60°C

Packing List

PART NUMBER	DESCRIPTION	QTY
JMTX-ADN8 Series	JMTX-ADN8 MB	1
F04-MB-107-F	I/O Shield	1
F05-JMTX-01-F	Fanless Heatsink, 111.6 x 87 x 29mm	1
G01-SATA3-BL-1F	SATA Cable, 50cm	1

Specifications

SYSTEM	
MB FORM FACTOR	Mini-ITX
CPU	Onboard Intel® Processor N97 (Formerly Alder Lake-N, TDP 12W)
CHIPSET	Intel® SoC
MEMORY	1 x DDR5 4800MHz, Single Channel SO-DIMM, up to 32GB
BIOS	UEFI
WAKE ON LAN	Yes
WATCHDOG TIMER	255 Levels
SECURITY	TPM2.0
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	ATX Power Supply
POWER ON MODE	AT / ATX
CONNECTOR	24-pin Header
DISPLAY	
GPU	Intel® UHD Graphics
LVDS	1 x 24-bit Dual Channel LVDS (Max. Resolution: 1920 x 1080 @60Hz / Co-Lay eDP)
HDMI	1 x HDMI 2.0b (Max Resolution: 4096 x 2160@60Hz)
VGA	1 x VGA (Max Resolution: 1920 x 1080 @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
AMPLIFIER	3W
LAN	
ETHERNET	2 x RJ45 for Realtek® RTL8111H GbE
USB PORT	
USB	2 x USB 3.2 Gen 1x1 (5Gbps, Formerly USB 3.1 Gen 1) 4 x USB 2.0 Internal Header for 3 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	8-Bit
SMBUS	Yes
I2C	Yes
FAN	1 x CPU Fan Header 1 x System Fan Header
FRONT PANEL	HDD Active LED Power On/Off Power LED Reset
ADDITIONAL	1 x Chassis Intrusion 1 x Onboard Buzzer
STORAGE	
SATA	1 x SATA III
eMMC	eMMC 64GB (optional)
EXPANSION	
M.2	1 x M-Key 2242/2280 (SATA III/PCIe 3.0 x1) Support NVMe 1 x E-Key 2230 (USB 2.0/PCIe 3.0 x1) Support CNVi 1 x B-Key 3042/3052 (USB 3.2/USB 2.0) for 4G/5G Module
PCIe	1 x PCI
SIM	1 x SIM Card Slot
ENVIRONMENT & CERTIFICATION	
SHOCK	15G, 11ms duration
VIBRATION	1 Grms/ 5- 500Hz/ Operation
OPERATING TEMPERATURE	-20°C ~ 60°C (-4°F ~ 140°F)
STORAGE TEMPERATURE	-20°C ~ 85°C (-4°F ~ 185°F)
OPERATING HUMIDITY	10 ~ 90% Relative Humidity, Non-condensing
CERTIFICATION	CE/FCC Class A

