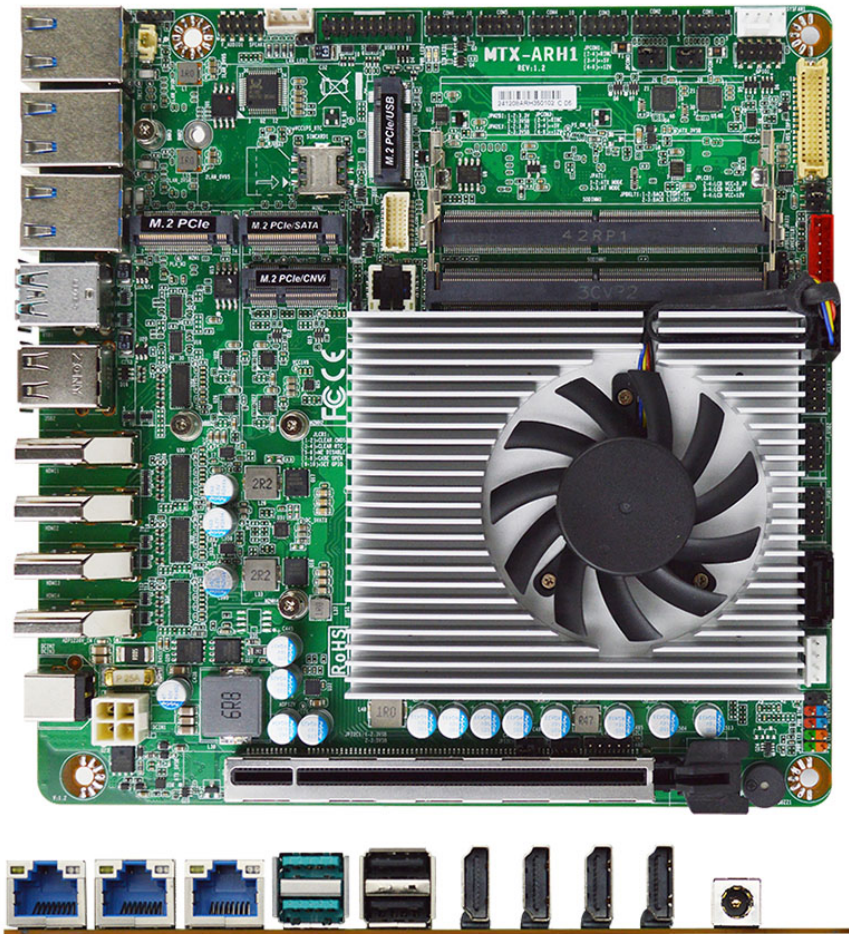


0.00 EUR

incl. 19% VAT, plus [shipping](#)

- Mini-ITX !
- Intel Core Ultra 7 255H !
- 4x HDMI, 3x LAN !
- MTX-ARH1-255H0220 !



- Powered by Onboard Intel® Core™ Ultra 7 Processor 255H for AI Boost(formerly Arrow Lake-H, TDP 28W)
- High-Capacity Memory: 2 x DDR5 6400MT/s SO-DIMM, up to 96GB
- Quad Display Support: Comes with 1x LVDS/eDP, 4 x HDMI® 2.1 TMDS, supporting 4K, 8K displays
- Triple LAN: 3 x 2.5GbE for high-speed, reliable networking
- Flexible Storage Expansion: 1 x M-Key 2242 (PCIe 4.0 x4), 1 x M-Key 2242/2280 (PCIe 4.0 x4 + SATAIII), and 1 x SATAIII
- Enhanced Expansion Options: 1 x E-Key 2230 (USB 2.0/PCIe) with CNVi support, 1 x B-Key (PCIe/USB2.0) for 4G/5G module, and 1 x PCIe x8 (Gen 5)
- Wide Range Power Input: DC-in 12–36V for robust industrial flexibility

#### SYSTEM

#### MB FORM FACTOR

#### CPU

#### CHIPSET

#### MEMORY

#### BIOS

#### WAKE ON LAN

#### WATCHDOG TIMER

#### SECURITY

#### RTC BATTERY

#### DIMENSION (W X D)

Thin Mini-ITX

Onboard Intel® Core™ Ultra 7 Processor 255H (Formerly Arrow Lake-H, TDP 28W)

Intel® SoC

2 x DDR5 6400MT/s, Dual Channel SO-DIMM, up to 96GB

UEFI

Yes

255 Levels

TPM2.0 (dTPM, Optional)

Lithium Battery

170.0 (W) x 170.0 (D) mm (6.7" x 6.7")

|                             |                                                                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| OS SUPPORT                  | Windows® 11 (64bit)<br>Windows® 10 (64bit)<br>Linux                                                                                                                                                                                               |
| POWER                       |                                                                                                                                                                                                                                                   |
| POWER REQUIREMENT           | DC-in 12~36V                                                                                                                                                                                                                                      |
| POWER ON MODE               | AT / ATX (Default) Mode                                                                                                                                                                                                                           |
| CONNECTOR                   | DC Jack                                                                                                                                                                                                                                           |
| DISPLAY                     |                                                                                                                                                                                                                                                   |
| GPU                         | Intel® Arc™ Graphics                                                                                                                                                                                                                              |
| LVDS                        | 1 x 24-bit Dual Channel LVDS (Max. Resolution: 1920 x 1200 @60Hz, Co-lay eDP)                                                                                                                                                                     |
| HDMI®                       | 4 x HDMI® 2.1 TMDS (Max Resolution:3840 x 2160@60Hz),<br>Conditionally Supports 8K Resolution                                                                                                                                                     |
| MULTIPLE DISPLAY            | Support 4 Displays                                                                                                                                                                                                                                |
| AUDIO                       |                                                                                                                                                                                                                                                   |
| CODEC                       | Realtek Audio Codec                                                                                                                                                                                                                               |
| Line-out                    | Internal Header for Line-Out                                                                                                                                                                                                                      |
| MIC-in                      | Internal Header for MIC-In                                                                                                                                                                                                                        |
| AMPLIFIER                   | 3W                                                                                                                                                                                                                                                |
| LAN                         |                                                                                                                                                                                                                                                   |
| ETHERNET                    | 1 x RJ45 for Intel® I226-LM 2.5GbE<br>2 x RJ45 for Intel® I226-V 2.5GbE                                                                                                                                                                           |
| USB PORT                    |                                                                                                                                                                                                                                                   |
| USB                         | 2 x USB 3.2 Gen 2x1 (10Gbps, Formerly USB 3.1 Gen 2)<br>2 x USB 2.0<br>Internal Header for 2 x USB 3.2<br>Internal Header for 4 x USB 2.0                                                                                                         |
| SERIAL PORT                 |                                                                                                                                                                                                                                                   |
| COM                         | Internal Header for 4 x RS-232<br>Internal Header for 2 x RS-232/422/485                                                                                                                                                                          |
| INTERNAL I/O                |                                                                                                                                                                                                                                                   |
| GPIO                        | 8-Bit                                                                                                                                                                                                                                             |
| SMBUS                       | Yes                                                                                                                                                                                                                                               |
| I2C                         | Yes                                                                                                                                                                                                                                               |
| FAN                         | 1 x 4-pin Connector for System Fan (PWM Mode)                                                                                                                                                                                                     |
| ADDITIONAL                  | 1 x Chassis intrusion<br>1 x AT/ATX Mode Selection                                                                                                                                                                                                |
| STORAGE                     |                                                                                                                                                                                                                                                   |
| SATA                        | 1 x SATA3<br>1 x SATA Power Connector                                                                                                                                                                                                             |
| RAID                        | RAID 0/1                                                                                                                                                                                                                                          |
| EXPANSION                   |                                                                                                                                                                                                                                                   |
| M.2                         | 1 x M-Key 2242 (PCIe 4.0 x 4) Support NVMe<br>1 x M-Key 2242/2280 (PCIe 4.0 x4 / SATAIII) Support NVMe<br>1 x B-Key 3042/3052 (PCIe Gen.3 x1/USB3.2 Gen.2/USB2.0 interface) support 4G/5G Module<br>1 x E-Key 2230 (USB 2.0/PCIe x1) Support CNVi |
| PCIe                        | 1 x PCIe x8 (Gen.5)                                                                                                                                                                                                                               |
| SIM                         | 1 x Nano 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                                                                                                                                                                                                        |

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**CERTIFICATION**

CE/FCC Class A

**ESG DECLARATION**

EU RoHS

China RoHS

MTX-ARH1

I/O Schield

Jumper

**Packing List**

COM Cable

SATA Cable

SATA Power Y Cable

CPU Cooler