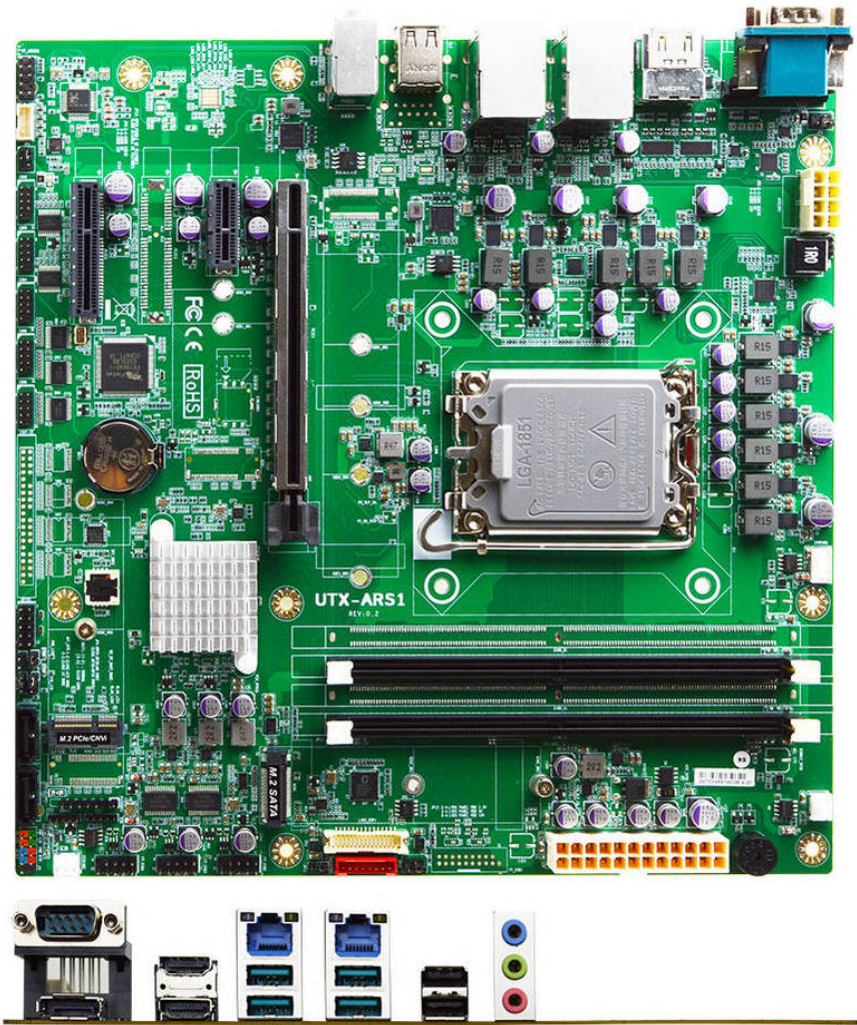




459.00 EUR

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

- Intel Arrow Lake-S !
- Intel H810 !
- 2x 2.5GbE !
- PCIe Gen5 x16 !

The JETWAY UTX-ARS1-H810 is an industrial Micro-ATX motherboard for Intel® Core® Ultra Processors (Series 2), Arrow Lake-S, with Socket LGA1851 and Intel® H810 chipset. The board supports two DDR5 6400 MT/s CU-DIMM memory modules in dual-channel mode, up to 128GB. Two Intel® I226-V 2.5GbE ports provide network connectivity. For display connectivity, the board offers two HDMI® 2.1 TMDS ports, one DisplayPort 1.4a port, and one dual-channel LVDS connector with co-layout eDP, supporting three displays. Further interfaces include four USB 3.2 ports, eight USB 2.0 ports, and up to ten COM ports. Two SATA III ports, M.2 M-Key and M.2 E-Key slots, plus PCIe Gen 5 x16, PCIe Gen 4 x4, and PCIe Gen 4 x1 are available for storage and expansion.

- Intel® Core® Ultra Processors (Series 2), Arrow Lake-S, Socket LGA1851, max. 125W TDP
- Intel® H810 chipset
- 2 x DDR5 6400 MT/s dual-channel CU-DIMM up to 128GB
- 2 x Intel® I226-V 2.5GbE
- 2 x HDMI® 2.1 TMDS, 1 x DP 1.4a, 1 x dual-channel LVDS with co-layout eDP
- Support 3 displays
- 2 x USB 3.2 Gen 2x1, 2 x USB 3.2 Gen 1x1, 8 x USB 2.0
- 1 x DB-9 RS-232/422/485, 5 x internal RS-232, optional 4 x internal RS-232
- 2 x SATA III, 1 x M.2 M-Key, 1 x M.2 E-Key
- 1 x PCIe Gen 5 x16, 1 x PCIe Gen 4 x4, 1 x PCIe Gen 4 x1

|                  |                                                                                                                                                |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| FORM FACTOR      | Micro-ATX, 244.0 (W) x 244.0 (D) mm (9.6" x 9.6")                                                                                              |
| CPU              | Intel® LGA1851 Socket, Processor Arrow Lake-S (MAX. TDP 125W)                                                                                  |
| CHIPSET          | Intel® H810                                                                                                                                    |
| MEMORY           | 2 x DDR5 6400MT/s, Dual Channel<br>CU-DIMM, up to 128GB                                                                                        |
| BIOS             | UEFI                                                                                                                                           |
| SECURITY         | Intel® PTT (Integrated fTPM)<br>TPM2.0 (dTPM, Optional)                                                                                        |
| GPU              | Intel® Graphics                                                                                                                                |
| LVDS             | 1 x 24-bit Dual Channel LVDS (Max. Resolution: 1920 x 1200 @60Hz, co-layout eDP)                                                               |
| DP               | 1 x DP1.4a (Max Resolution: 4096 x 2160@60Hz)                                                                                                  |
| HDMI®            | 2 x HDMI® 2.1 TMDS (Max Resolution: 4096 x 2160@60Hz)                                                                                          |
| MULTIPLE DISPLAY | Support 3 Displays                                                                                                                             |
| AUDIO            | Realtek Audio Codec<br>1 x Audio Jack for Line-in<br>1 x Audio Jack for Line-out<br>1 x Audio Jack for MIC-in<br>3W Amplifier                  |
| ETHERNET         | 2 x RJ45 for Intel® I226-V 2.5 GbE<br>2 x USB 3.2 Gen 2x1 (10Gbps, Formerly USB 3.1 Gen 2)                                                     |
| USB              | 2 x USB 3.2 Gen 1x1 (5Gbps, Formerly USB 3.1 Gen 1)<br>2 x USB 2.0<br>Internal Header for 6 x USB 2.0                                          |
| COM              | 1 x DB-9 for RS-232/422/485<br>Internal Header for 5 x RS-232<br>Internal Header for 4 x RS-232 (Optional)<br>8-Bit GPIO<br>SMBUS<br>I2C       |
| INTERNAL I/O     | 1 x CPU Fan Header<br>2 x System Fan Header<br>HDD Active LED<br>Power LED<br>Power On/Off<br>Reset                                            |
| STORAGE          | 1 x Chassis intrusion<br>1 x AT/ATX Mode Selection<br>2 x SATA III<br>1 x M-Key 2242/2280 (SATA III)<br>1 x E-Key 2230 (USB 2.0/PCIe Gen 4 x1) |
| EXPANSION        | support CNVio<br>1 x PCIe Gen 5 x16<br>1 x PCIe Gen 4 x4<br>1 x PCIe Gen 4 x1                                                                  |
| POWER INPUT      | ATX Power Supply<br>Internal 24+8-pin ATX Header<br>AT / ATX (Default) Mode                                                                    |

## ENVIRONMENT

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  
CE/FCC Class A

## CERTIFICATION

LVD  
EU RoHS  
China RoHS  
WEEE  
REACH  
TSCA Declaration  
PRO65 Declaration  
CMRT Report

## OS SUPPORT

Windows® 11 (64bit)  
Linux

## PACKAGE

1 x UTX-ARS1 Mother Board  
3 x COM Cable  
2 x SATA Cable, 50cm  
1 x I/O Shield  
2 x Jumper