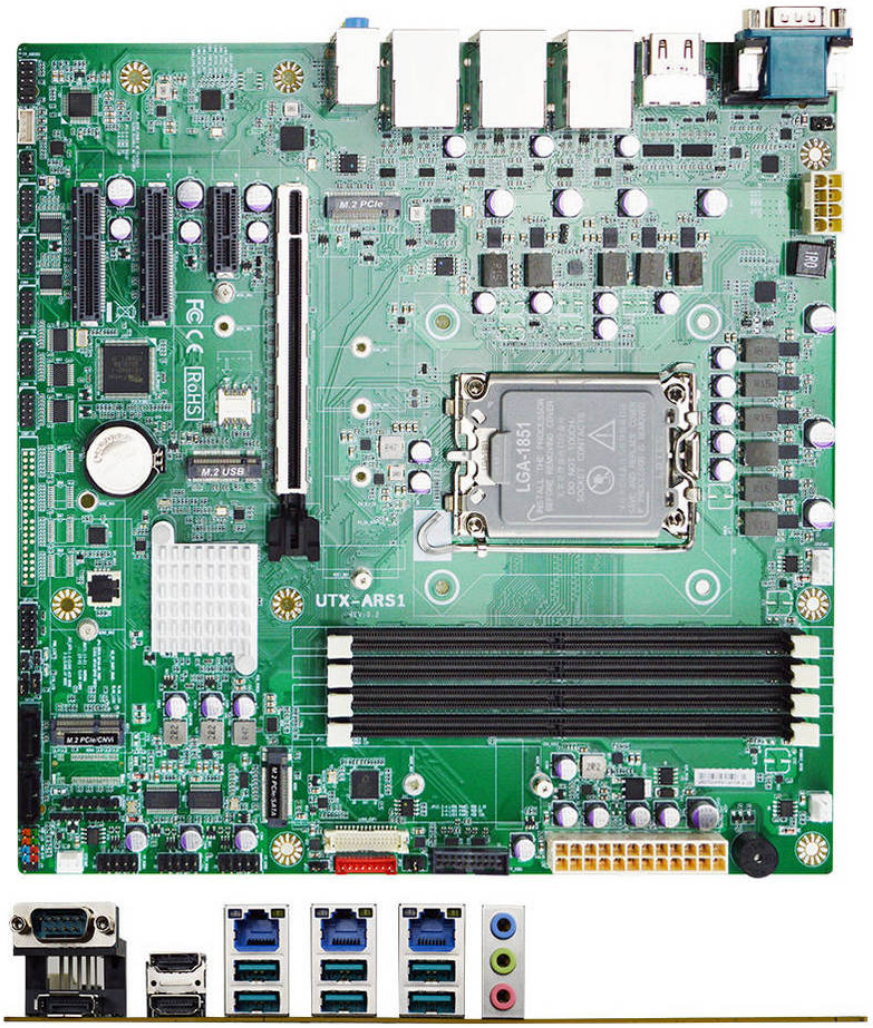



579.00 EUR
incl. 19% VAT, plus shipping

- Intel Arrow Lake-S !
- Intel Q870 !
- 3x 2.5GbE !
- PCIe Gen5 x16 !

The JETWAY UTX-ARS1-Q870 is a Micro-ATX motherboard for Intel® Core Ultra Series 2 processors with an LGA1851 socket (formerly Arrow Lake-S) and up to 125W TDP. It supports up to 256GB DDR5-6400 CU-DIMM memory in dual-channel configuration. The Intel® Q870 chipset, three 2.5GbE interfaces, two HDMI® 2.1 TMDS outputs, DisplayPort 1.4a and LVDS/eDP provide versatile options for high-performance industrial PC systems. For expansion, it offers one PCIe Gen5 x16 slot, two PCIe Gen4 x4 slots, one PCIe Gen4 x1 slot and four M.2 sockets.

- Intel® Core Ultra Series 2 LGA1851 Socket processor (formerly Arrow Lake-S, max. 125W TDP)
- Intel® Q870 chipset
- 4 x DDR5 6400 MT/s CU-DIMM, up to 256GB
- 3 x 2.5GbE: Intel® I226-V, Intel® I226-LM and Realtek® RTL8156
- 2 x HDMI® 2.1 TMDS, 1 x DP1.4a, 1 x dual-channel LVDS with co-layout eDP
- Supports up to four displays
- 2 x SATA III with Intel® VMD RAID 0, 1 and SATA RAID 0, 1, 5
- 2 x M.2 M-Key, 1 x M.2 B-Key for 4G/5G modules, 1 x M.2 E-Key
- 1 x PCIe Gen5 x16, 2 x PCIe Gen4 x4, 1 x PCIe Gen4 x1
- 6 x USB 3.2 Gen 2x1, internal headers for 2 x USB 3.2 Gen 1 and 6 x USB 2.0
- Up to 10 x COM, Intel® PTT (integrated fTPM), optional TPM 2.0 dTPM

| | |
|---|---|
| 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)<br>For additional compatible CPUs, please contact regional sales |
| CHIPSET | Intel® Q870 |
| MEMORY | 4 x DDR5 6400MT/s, Dual Channel CU-DIMM, up to 256GB |
| BIOS | UEFI |
| WAKE ON LAN | Yes |
| WATCHDOG TIMER | 255 Levels |
| SECURITY | Intel® PTT (Integrated fTPM)<br>TPM2.0 (dTPM, Optional) |
| RTC BATTERY | Lithium Battery |
| DIMENSION (W X D) | 244.0 (W) x 244.0 (D) mm (9.6" x 9.6") |
| OS SUPPORT | Windows® 11 (64bit)<br>Linux |
| POWER REQUIREMENT | ATX Power Supply |
| POWER ON MODE | AT / ATX (Default) Mode |
| CONNECTOR | Internal 24+8-pin ATX Header |
| 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 4 Displays |
| 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 |
| ETHERNET | 1 x RJ45 for Intel® I226-V 2.5GbE<br>1 x RJ45 for Intel® I226-LM 2.5GbE<br>1 x RJ45 for Realtek® RTL8156 2.5GbE |
| USB | 6 x USB 3.2 Gen 2x1 (10Gbps, Formerly USB 3.1 Gen 2)<br>Internal Header for 2 x USB 3.2 Gen 1<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 DB-9 for RS-232<br>Internal Header for 4 x RS-232 (Optional) |

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|---|---|
| GPIO | 8-Bit |
| SMBUS | Yes |
| I2C | Yes |
| FAN | 1 x CPU Fan Header<br>2 x System Fan Header |
| FRONT PANEL | HDD Active LED<br>Power LED<br>Power On/Off<br>Reset |
| ADDITIONAL | 1 x Chassis intrusion<br>1 x AT/ATX Mode Selection |
| SATA | 2 x SATA III |
| RAID | Intel® VMD RAID 0, 1 & SATA RAID 0, 1, 5 |
| M.2 | 1 x M-Key 2242/2260/2280/22110 (PCIe Gen4 x4) support NVMe<br>1 x M-Key 2242/2280 (PCIe Gen 4 x4 / SATA III) support NVMe<br>1 x B-Key 3042/3052 (USB 3.2/USB 2.0) for 4G/5G Module<br>1 x E-Key 2230 (USB 2.0/PCIe Gen 4 x1) |
| PCIe | 1 x PCIe Gen 5 x16<br>2 x PCIe Gen 4 x4<br>1 x PCIe Gen 4 x1 |
| SIM | 1 x Nano SIM Card Slot |
| 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<br>LVD<br>EU RoHS<br>China RoHS<br>WEEE |
| ESG DECLARATION | REACH<br>TSCA Declaration<br>PRO65 Declaration<br>CMRT Report |
| PACKAGE | 1 x UTX-ARS1 Mother Board<br>3 x COM Cable<br>2 x SATA Cable, 50cm<br>1 x I/O Shield<br>2 x Jumper |