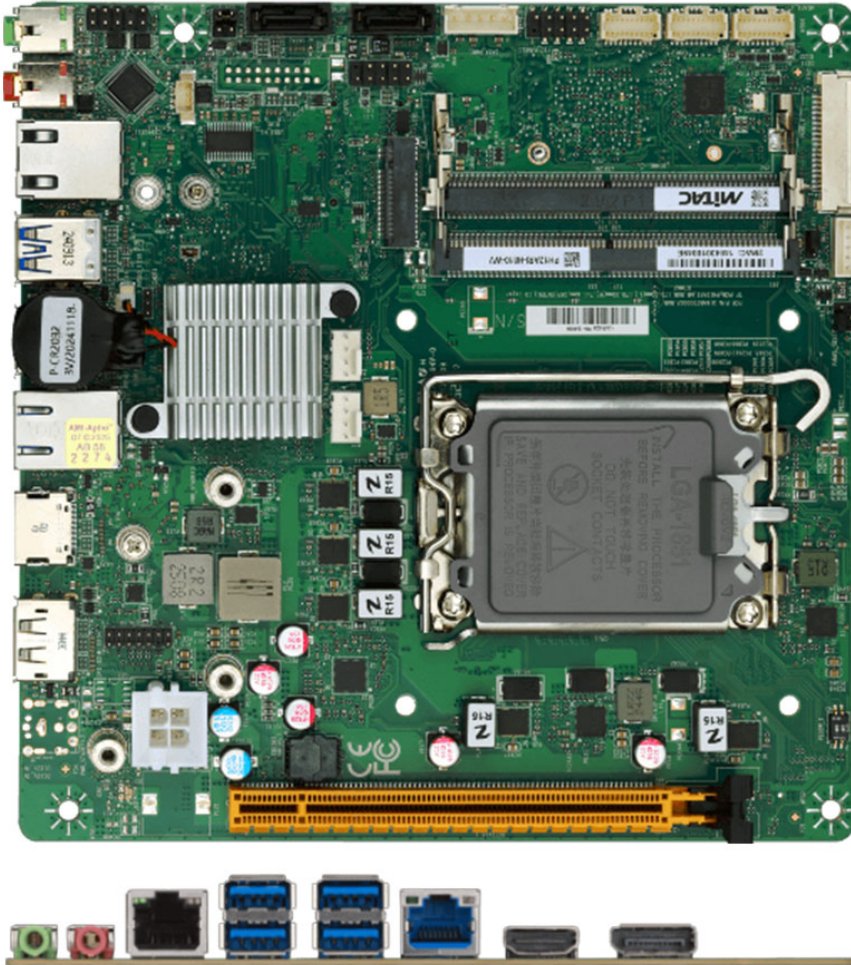




239.00 EUR

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

- Intel H810 Chipset !
- Intel vPro tech support !
- up to 96GB DDR4 SO-DIMM !
- Support triple display !

Thin Mini-ITX Form Factor Intel® Arrow Lake-S 15th Processor with H810/Q870 Chipset

- intel® Arrow Lake-S Core Ultra 5/7/9 processor, TDP up to 65W
- Intel® H810 Chipset
- Intel® vPro technology support (Q870)
- 2x DDR5 SO-DIMM up to 96GB
- Support triple display for HDMI, DisplayPort and LVDS/eDP
- 1x M.2 2280 M-key, 1 x M.2 2230 E-key, 1 x M.2 2242/3042/3052 B-Key, 1 x PCIe5.0 X16
- 1 x Intel® 2.5Gigabit Ethernet, 1 x Intel® Gigabit Ethernet
- DC-in 12-26V / 19V

MECHANICAL

FORM FACTOR

Mini-ITX: 6.7" x 6.7" (170 mm x 170 mm)

|          |                   |                                                                                                                                              |
|----------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| SYSTEM   | PROCESSOR         | Intel® 15th Gen (Arrow Lake-S) LGA1851 Core™ Processors, Core Ultra 9/7/5, TDP Max. 65W                                                      |
|          | CHIPSET           | Intel® H810                                                                                                                                  |
|          | SYSTEM MEMORY     | 2 x 262-pin SO-DIMM / DDR5 6400 MHz / Max. 96GB (Non-ECC)                                                                                    |
|          | GRAPHICS          | Intel® Graphics                                                                                                                              |
|          | ETHERNET          | Intel® I219-LM Giga LAN + Intel® I226V 2.5 Giga LAN                                                                                          |
|          | AUDIO             | Realtek® ALC888S                                                                                                                             |
|          | I/O CHIPSET       | Nuvoton NCT6126D(eSPI)                                                                                                                       |
|          | TPM               | TPM Header / (support optional TPM 2.0 module)                                                                                               |
|          |                   | 1 x NanoSIM slot to M.2 B Key slot                                                                                                           |
|          |                   | / 1 x M.2 2230 E key (CNVi , PCIeX1, USB 2.0)                                                                                                |
| GRAPHICS | EXPANSION SLOT    | / Storage/LTE/5G Slot: 1 x M.2 2242/3042/3052 B Key (USB2.0/PCIeX1/SATAIII) / 1x M.2 2280 M key (PCIe4.0 X4, SATAIII) / 1x PCIe 5.0 X16 slot |
|          | BIOS              | AMI BIOS / 256 Mbit SPI                                                                                                                      |
|          | H/W MONITOR       | Temperature Monitor / Voltage Monitor / Fan Monitor                                                                                          |
|          | WATCHDOG TIMER    | 1~255 steps by software program                                                                                                              |
|          | SMART FAN CONTROL | CPU Fan / System Fan                                                                                                                         |
|          | 2nd DISPLAYPORT   | -                                                                                                                                            |
|          | VGA               | -                                                                                                                                            |
|          | DVI               | -                                                                                                                                            |
|          | HDMI              | Up to 4K (4096 x 2160) @30 Hz                                                                                                                |
|          | DISPLAYPORT       | Up to 4K (4096 x 2304) @60 Hz                                                                                                                |
| REAR I/O | LVDS              | Up to 1920 x 1200 @60 Hz                                                                                                                     |
|          | eDP (Option)      | Up to 4K (4096 x 2304) @60 Hz                                                                                                                |
|          | USB               | 2 x USB3.2 Gen1 + 2 x USB3.2 Gen2 (H810) / 4 x USB3.2 Gen2 (Q870)                                                                            |
|          | DISPLAY I/O       | 1 x HDMI 1.4 / 1 x DisplayPort 1.2                                                                                                           |
|          | AUDIO I/O         | 1 x Mic-in / 1 x Line-out                                                                                                                    |
|          | LAN I/O           | 2 x RJ-45                                                                                                                                    |
|          | SERIAL PORT       | -                                                                                                                                            |
|          | PS/2 PORT         | -                                                                                                                                            |
|          | OTHERS            | DC-in 12V (2.5 mm / ID, 5.5 mm / OD) / DC-in 19V (5.1 mm / ID, 7.4 mm / OD)                                                                  |

|                     |                       |                                                                                                                                                                                                    |
|---------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| INTERNAL CONNECTORS | STORAGE               | 2 x SATAIII                                                                                                                                                                                        |
|                     | USB                   | Q870 & H810: 2 x USB 2.0 (1 x 2.54 pitch header) / Q870: 2 x USB3.2 Gen1 (1 x USB 3.2 header)                                                                                                      |
|                     | DISPLAY I/O           | 1 x LVDS (*Optional eDP SKU available)<br>/ 1 x Backlight Connector                                                                                                                                |
|                     | AUDIO I/O             | 1 x speaker 2W 4-pin header with amplifier / 1 x Audio Header (Front Panel Mic-in & Line-out)                                                                                                      |
|                     | SERIAL PORT           | 1 x RS232 / 1 x RS232 / 422 / 485 / (Extra 2 x RS232 Header by BOM option)                                                                                                                         |
|                     | PARALLEL PORT         | -                                                                                                                                                                                                  |
|                     | GPIO                  | 1 x MiAPI Header (Programmable. Support 10-bit GPIO)                                                                                                                                               |
|                     | FAN                   | 1 x 4-pin CPU Fan Header / 1 x 4-pin System Fan Header<br>1 x AT / ATX Mode Select Jumper                                                                                                          |
|                     | POWER                 | / 1 x 4-pin ATX Power Connector<br>/ 1 x 12~26V 4-pin Power Connector (Wide Voltage SKU)<br>1 x CMOS Jumper                                                                                        |
|                     | OTHERS                | / 1 x panel power select header<br>/ 1x buzzer header<br>/ 1 x FIO header                                                                                                                          |
| POWER REQUIREMENT   | POWER INPUT           | DC-in 12V (2.5 mm / ID, 5.5 mm / OD) / ATX 4-pin 12V / DC-in 19V (5.1 mm / ID, 7.4 mm / OD) / ATX 4-pin 19V / DC-in 12V~26V (4-pin Power Connector with 3-pin Terminal Block Cable in accessories) |
| ENVIRONMENTAL       | OPERATING TEMPERATURE | -20°C ~ 60°C (4 ~ 140°F)                                                                                                                                                                           |
|                     | STORAGE TEMPERATURE   | -40 ~ 85°C (-40 ~185°F)                                                                                                                                                                            |
|                     | OPERATING HUMIDITY    | 10% ~ 95% R/H (Non-condensing)                                                                                                                                                                     |
| OS                  | CERTIFICATION         | CE / FCC Class A                                                                                                                                                                                   |
|                     | OS SUPPORT            | Linux (support by request) / Windows® 10 64-bit / Windows® 11 64bit,                                                                                                                               |
|                     | PACKAGE               | 2 x I/O Bracket (Half and Full Height) / 1 x SATA & SATA PWR Cable / 1 x Motherboard                                                                                                               |
| PACKING LIST        |                       |                                                                                                                                                                                                    |