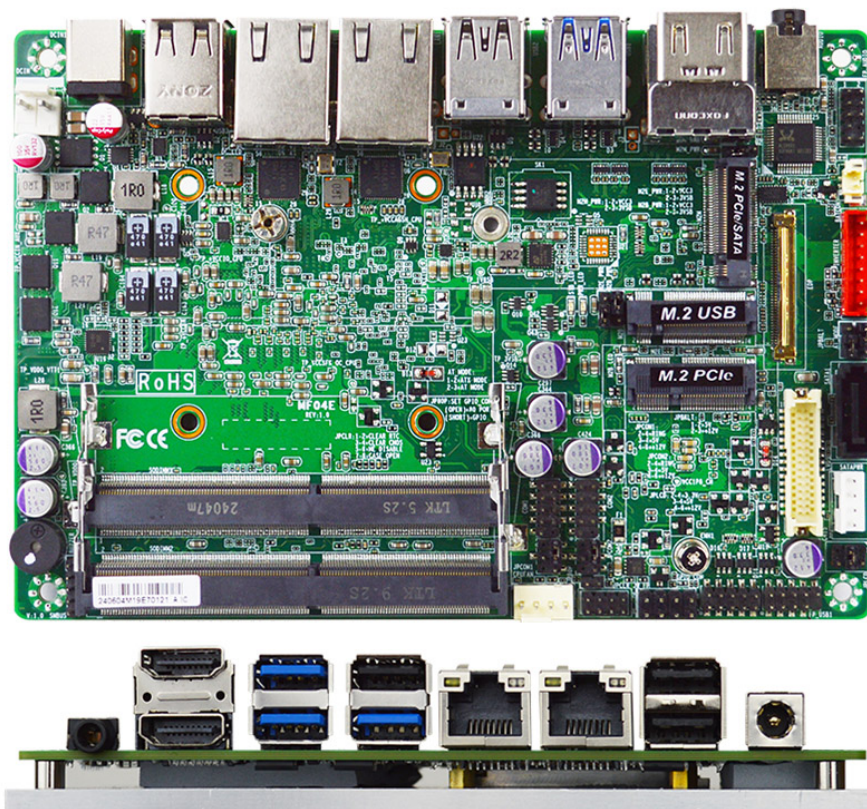




319.00 EUR

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

- Intel SoC !
- Tripple Display !
- 12-24V Input !
- 3,5" SBC !

- Powered by Intel® J6412 SoC Processor (Elkhart Lake, TDP 10W)
- Dual DDR4 3200MHz SO-DIMM: Maximize multitasking performance
- Dual 2.5GbE LAN: High-speed networking connection
- Triple Display Support: 2 x HDMI 2.0b, 1 x eDP/LVDS (either eDP or LVDS) for versatile multi-display setups
- Comprehensive I/O: 2 x COM, 3 x USB 3.1 Gen 2, 5 x USB 2.0 ports
- Flexible Expansion: 1 x M.2 E-key 2230, 1 x M.2 B-key 3042 w/SIM slot
- Storage Options: 1 x SATA3, Optional 64GB eMMC, 1 x M.2 M-key 2242/2280
- Reliable DC Input: 12V–24V range, ideal for industrial environments

|                   |                                                                          |
|-------------------|--------------------------------------------------------------------------|
| SYSTEM            |                                                                          |
| MB FORM FACTOR    | 3.5"                                                                     |
| CPU               | Onboard Intel® Celeron® Processor J6412 (Formerly Elkhart Lake, TDP 10W) |
| CHIPSET           | Intel® SoC                                                               |
| MEMORY            | 2 x DDR4 3200MHz, Dual Channel SO-DIMM, up to 32GB                       |
| BIOS              | UEFI                                                                     |
| WAKE ON LAN       | Yes                                                                      |
| WATCHDOG TIMER    | 255 Levels                                                               |
| SECURITY          | TPM2.0 (dTPM, Optional)                                                  |
| RTC BATTERY       | Lithium Battery                                                          |
| DIMENSION (W X D) | 148.0 (W) x 102.0 (D) mm (5.8" x 4.0")                                   |
| OS SUPPORT        | Windows® 11 (64bit)<br>Windows® 10 (64bit)<br>Linux                      |
| POWER             |                                                                          |
| POWER REQUIREMENT | DC-in 12~24V                                                             |

|                             |                                                                                                                                                          |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| POWER ON MODE               | AT / ATX (Default) Mode                                                                                                                                  |
| CONNECTOR                   | DC Jack<br>Internal 2-pin Header                                                                                                                         |
| DISPLAY                     |                                                                                                                                                          |
| GPU                         | Intel® UHD Graphics                                                                                                                                      |
| LVDS                        | 1 x 24-bit Dual Channel LVDS (Max. Resolution: 1920 x 1200 @60Hz, Co-lay eDP)                                                                            |
| eDP                         | 1 x eDP (Max Resolution: 4096 x 2160@60Hz)                                                                                                               |
| HDMI                        | 2 x HDMI 2.0b (Max Resolution: 4096 x 2160@60Hz)                                                                                                         |
| MULTIPLE DISPLAY            | Support 3 Displays                                                                                                                                       |
| AUDIO                       |                                                                                                                                                          |
| CODEC                       | Realtek Audio Codec                                                                                                                                      |
| COMBO                       | 1 x Combo Audio Jack for Line-Out / Mic-In                                                                                                               |
| LAN                         |                                                                                                                                                          |
| ETHERNET                    | 2 x RJ45 for Intel® I226-V 2.5GbE                                                                                                                        |
| USB PORT                    |                                                                                                                                                          |
| USB                         | Internal Header for 2 x USB 2.0<br>3 x USB 3.1<br>3 x USB 2.0                                                                                            |
| SERIAL PORT                 |                                                                                                                                                          |
| COM                         | Internal Header for 1 x RS-232/422/485<br>Internal Header for 1 x RS-232                                                                                 |
| INTERNAL I/O                |                                                                                                                                                          |
| GPIO                        | 8-Bit                                                                                                                                                    |
| SMBUS                       | Yes                                                                                                                                                      |
| FAN                         | 1 x 4-pin Connector for CPU Fan (PWM Mode)<br>HDD Active LED<br>Power LED<br>Power On/Off<br>Reset<br>1 x Chassis intrusion<br>1 x AT/ATX Mode Selection |
| FRONT PANEL                 |                                                                                                                                                          |
| ADDITIONAL                  |                                                                                                                                                          |
| STORAGE                     |                                                                                                                                                          |
| SATA                        | 1 x SATA III<br>1 x SATA Power Connector                                                                                                                 |
| eMMC                        | Onboard 64GB eMMC 5.1 (optional)                                                                                                                         |
| EXPANSION                   |                                                                                                                                                          |
| M.2                         | 1 x M-Key 2242/2280 (SATA III/PCIe 3.0 x2) Support NVMe<br>1 x E-Key 2230 (USB 2.0/PCIe 3.0 x1)<br>1 x B-Key 3042 (USB2.0/USB3.1)<br>1 x SIM Card Slot   |
| SIM                         |                                                                                                                                                          |
| ENVIRONMENT & CERTIFICATION |                                                                                                                                                          |
| OPERATING TEMPERATURE       | 0°C ~ 60°C (32°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                                                                                                                                           |