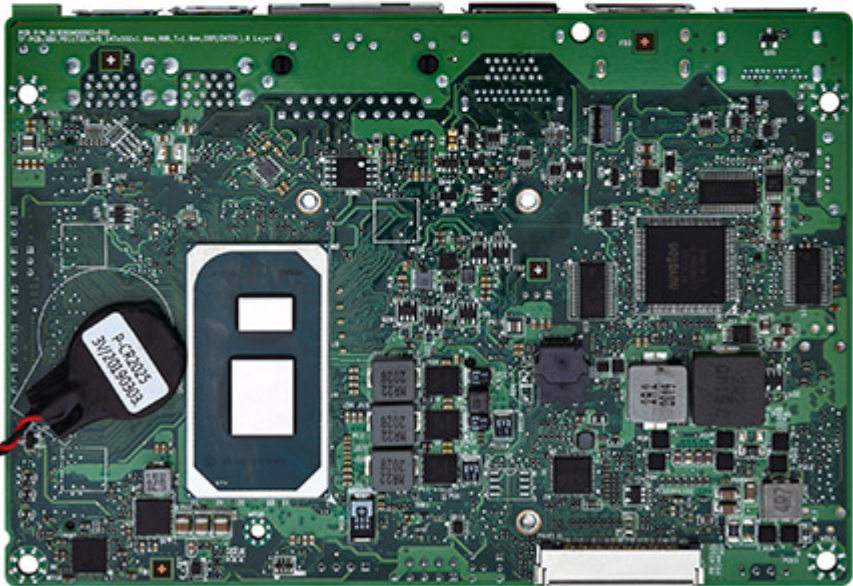
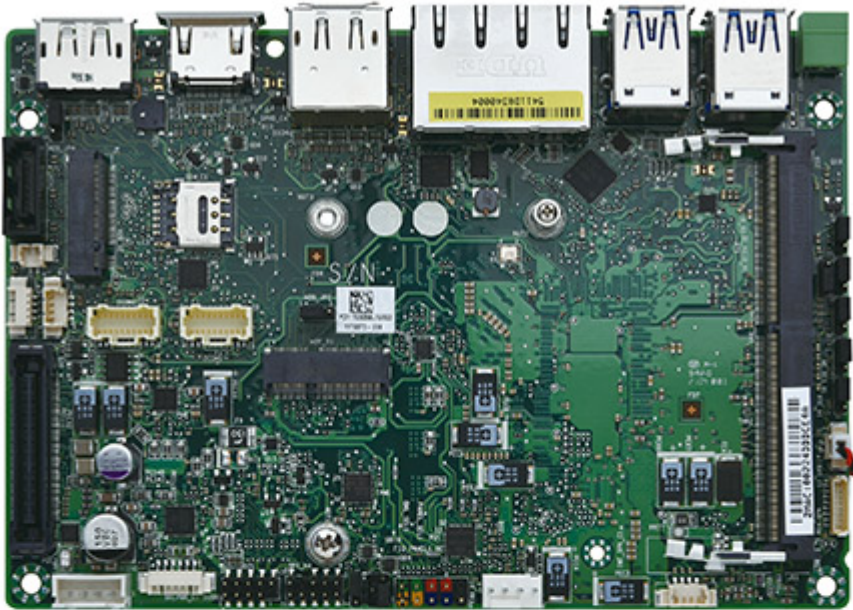


879.00 EUR

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

- Intel® i5-1145G7E Tiger Lake-UP3 !
- 2x Gigabit LAN !
- 3,5" SBC !
- HDMI & DP !



- Intel® i5-1145G7E Processor
- Outstanding graphic computing capability with Integrated Intel® Iris Xe graphics
- Intel® vPro technology support
- Compatible with M.2 3042/3052 + SIM slot for 5G cellular network connectivity
- 1 x DDR4 SO-DIMM and support up to 32GB
- Support Quadruple display for HDMI, DisplayPort and LVDS / eDP
- Support 1 x M.2 2280 B-Key (SATA, PCIe X1), 1 x M.2 2230 E-Key (CNV)
- 1 x SATA III
- 2 x Intel® Gigabit Ethernet
- 2 x USB 2.0, 4 x USB 3.1 Gen2 and 4 x COM
- 8V~24V wide voltage power input

|                     |                   |                                                                                                                                                                                             |
|---------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MECHANICAL          | FORM FACTOR       | 3.5" SBC: 4" x 5.8" (102 mm x 147 mm)                                                                                                                                                       |
|                     | PROCESSOR         | 11th Gen Intel® Tiger Lake-UP3 i3-1115G4E (Dual Core, 6MB Cache, up to 3.90 GHz) / option: 11th Gen Tiger Lake-UP3 Celeron 6305E / i5-1145G7E / i7-1185G7E                                  |
|                     | CHIPSET           | Intel® SoC Integrated                                                                                                                                                                       |
|                     | SYSTEM MEMORY     | DDR4 3200 MHz / 1 x 260-pin SO-DIMM / Max. 32GB (Non-ECC)                                                                                                                                   |
|                     | GRAPHICS          | Intel® Iris Xe Graphics                                                                                                                                                                     |
|                     | ETHERNET          | Intel® I219-LM Giga LAN / Intel® I225-LM 2.5GbE LAN                                                                                                                                         |
|                     | AUDIO             | Realtek® ALC256                                                                                                                                                                             |
| SYSTEM              | I/O CHIPSET       | Nuvoton NCT6126D(eSPI)                                                                                                                                                                      |
|                     | TPM               | Nuvoton NPCT750AABYX TPM2.0                                                                                                                                                                 |
|                     | EXPANSION SLOT    | M.2 3042 / 3052 / 2242 / 2260 / 2280 B key (USB2.0, SATAIII, *PCIex1) *Not support M.2 M Key NVMe SSD / Wireless: M.2 2230 E key (PCIe, USB)                                                |
|                     | BIOS              | AMI BIOS                                                                                                                                                                                    |
|                     | H/W MONITOR       | Temperature Monitor / Voltage Monitor / Fan Monitor                                                                                                                                         |
|                     | WATCHDOG TIMER    | 1~255 steps by software program                                                                                                                                                             |
|                     | SMART FAN CONTROL | CPU Fan                                                                                                                                                                                     |
| GRAPHICS            | HDMI              | Up to 4K (3840 x 2160) @30 Hz                                                                                                                                                               |
|                     | DISPLAYPORT       | Up to 4K (4096 x 2160) @60 Hz                                                                                                                                                               |
|                     | LVDS              | Up to 1920 x 1200 @60 Hz                                                                                                                                                                    |
|                     | eDP (Option)      | Up to 5120 x 3200 @60 Hz                                                                                                                                                                    |
|                     | USB               | 4 x USB 3.1 Gen 2                                                                                                                                                                           |
| REAR I/O            | DISPLAY I/O       | 1 x DisplayPort 1.2 / 2 x HDMI 1.4                                                                                                                                                          |
|                     | AUDIO I/O         | -                                                                                                                                                                                           |
|                     | LAN I/O           | 2 x RJ-45                                                                                                                                                                                   |
|                     | STORAGE           | 1 x SATAIII / 1 x SATA power header                                                                                                                                                         |
|                     | USB               | 2 x USB 2.0                                                                                                                                                                                 |
| INTERNAL CONNECTORS | DISPLAY I/O       | 1 x LVDS (*Optional eDP SKU available) / 1 x Backlight Connector                                                                                                                            |
|                     | AUDIO I/O         | 1 x Stereo Speaker Header                                                                                                                                                                   |
|                     | SERIAL PORT       | 3 x RS232 / 1 x RS232 / 422 / 485                                                                                                                                                           |
|                     | GPIO              | -                                                                                                                                                                                           |
|                     | FAN               | 1 x 4-pin CPU Fan Header                                                                                                                                                                    |
|                     | POWER             | 1 x AT / ATX Mode Select Jumper / 1 x 8~24V 4-pin Power Connector                                                                                                                           |
|                     | OTHERS            | 1 x CMOS Jumper / 1 x Chassis Front Panel Header (2 x 5-pin) / 1 x Front Audio Header (Mic-in & Line-out) / 1 x panel power select header / 1 x backlight power select header, / 1 x Buzzer |
|                     | POWER REQUIREMENT | 8~24V Wide Range DC Input w/ 4-pin Power Header (Pitch: 2.5mm)                                                                                                                              |
|                     | POWER INPUT       |                                                                                                                                                                                             |
|                     |                   |                                                                                                                                                                                             |

|               |                       |                                                                                                                                                   |
|---------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| ENVIRONMENTAL | OPERATING TEMPERATURE | 28W TDP:-40~50°C with 0.7m/s Air Flow (w/ Standard Temp. SSD/mSATA/RAM) / 15W TDP:-40~60°C with 0.7m/s Air Flow (w/ Standard Temp. SSD/mSATA/RAM) |
|               | STORAGE TEMPERATURE   | -40 ~ 85°C (-40 ~185°F)                                                                                                                           |
|               | OPERATING HUMIDITY    | 10% ~ 95% R/H (Non-condensing)                                                                                                                    |
|               | CERTIFICATION         | CE / FCC Class B                                                                                                                                  |
| OS            | OS SUPPORT            | Windows® 10 64-bit / Ubuntu 18.04 / Kernel 4.15 / Linux (support by request)                                                                      |
| PACKING LIST  | PACKAGE               | 1 x Motherboard / 1 x 50 cm SATA Cable / 1 x 45 cm SATA Power Cable / 1 x Quick Installation Guide                                                |