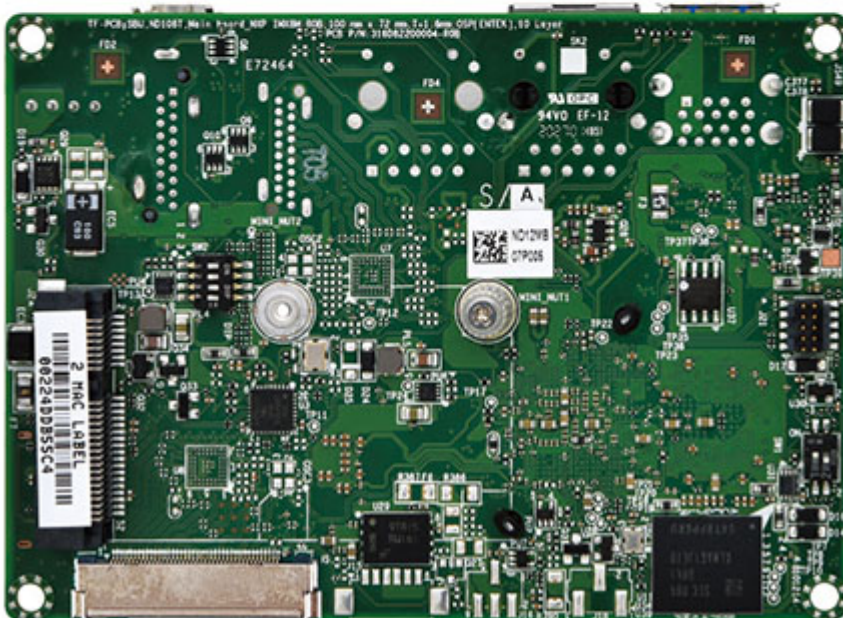




169.95 EUR

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

- Pico-iTX !
- NXP i.MX8M !
- 1GB DDR4 !
- 8GB eMMC !



- NXP i.MX8M Dual Core & Quad Core Processor
- 1GB LPDDR4 Memory (Options for 2GB / 4GB)
- 8GB eMMC Storage (Options for 16GB / 32GB)
- 1 x Giga LAN
- 1x HDMI (4K), 1x LVDS(FHD)
- Support 1 x Mini PCIe expansion slot
- Support 1 x Raspberry Pi fully Compatible 40-pin Header
- Up to 2 x USB 3.0, 2 x USB 2.0, 1 x COM port (x RS232/422/485) 12V DC Power Input

MECHANICAL

FORM FACTOR

Pico-iTX 2.5" SBC: 3.94" x 2.84"  
(100 mm x 72 mm)

|                     |                |                                                                                                  |
|---------------------|----------------|--------------------------------------------------------------------------------------------------|
| SYSTEM              | PROCESSOR      | NXP® i.MX8M Family: / 8M Quad (4 x Cortex-A53 @ 1.3GHz) / 8M Dual (2 x Cortex-A53 @ 1.3GHz)      |
|                     | CHIPSET        | i.MX8M SoC Integrated Singel Channel LPDDR4                                                      |
|                     | SYSTEM MEMORY  | 800MHz Memory Onboard with Options for 1GB / 2GB / 4GB)                                          |
|                     | GRAPHICS       | I.MX8 Integrated                                                                                 |
|                     | ETHERNET       | 1 x Realtek® RTL8111H Giga LAN / 1 x Realtek® RTL8211FD Giga LAN                                 |
|                     | I/O CHIPSET    | Nuvoton NCT6683D                                                                                 |
|                     | AUDIO          | Realtek® ALC5660                                                                                 |
|                     | EXPANSION SLOT | Mini PCIe Full / Half size (PCIe / USB)                                                          |
|                     | STORAGE        | Onboard eMMC with Options for 8GB / 16GB / 32GB                                                  |
|                     | WATCHDOG TIMER | Yes                                                                                              |
| GRAPHICS            | VGA            | -                                                                                                |
|                     | DVI            | -                                                                                                |
|                     | HDMI           | Up to 4K (4096 x 2160) @60 Hz                                                                    |
|                     | DISPLAYPORT    | Up to FHD (1920 x 1080)@60 Hz                                                                    |
|                     | LVDS           | Up to FHD (1920 x 1080)@60 Hz                                                                    |
|                     | eDP (Option)   | -                                                                                                |
|                     | USB            | 2 x USB 3.0                                                                                      |
| REAR I/O            | DISPLAY I/O    | 1 x DisplayPort 1.2 / 1 x HDMI 2.0                                                               |
|                     | AUDIO I/O      | -                                                                                                |
|                     | LAN I/O        | 2 x RJ-45                                                                                        |
|                     | SERIAL PORT    | -                                                                                                |
|                     | PS/2 PORT      | -                                                                                                |
|                     | OTHERS         | -                                                                                                |
|                     | STORAGE        | 1 x Micro-SIM or Micro SD combo card slot                                                        |
| INTERNAL CONNECTORS | USB            | 1 x USB 2.0 Port Header / 1 x USB 2.0 OTG port Header                                            |
|                     | DISPLAY I/O    | 1 x Backlight Connector / 1 x LVDS / 1 x LCD PWR Selection Header                                |
|                     | AUDIO I/O      | 1 x Audio Header (Mic-in & Line-out)                                                             |
|                     | SERIAL PORT    | 1 x RS232 / 422 / 485                                                                            |
|                     | GPIO           | -                                                                                                |
|                     | FAN            | 1 x 4-pin CPU Fan Header / 1 x 4-pin System Fan Header                                           |
|                     | POWER          | 1 x 8-pin ATX Power Connector / 1 x 24-pin ATX Power Connector / 1 x AT / ATX Mode Select Jumper |
|                     | OTHERS         | 1 x 40-pin General Purpose Header (Fully Compatible with Raspberry Pi 40-pin Header)             |
|                     |                | *Raspberry Pi is a trademark of the Raspberry Pi Foundation                                      |
|                     |                |                                                                                                  |

---

|                   |                       |                                                             |
|-------------------|-----------------------|-------------------------------------------------------------|
| POWER REQUIREMENT | POWER INPUT           | DC-in 12V (4-pin Power Connector)                           |
|                   | OPERATING TEMPERATURE | 0 ~ 60°C (32 ~140°F)                                        |
| ENVIRONMENTAL     | STORAGE TEMPERATURE   | -20 ~ 70°C (-4 ~158°F)                                      |
|                   | OPERATING HUMIDITY    | 10% ~ 95% R/H<br>(Non-condensing)                           |
|                   | CERTIFICATION         | CE / FCC Class B                                            |
| OS                | OS SUPPORT            | Yocto Sumo (Kernel version 4.14.98) BSP Support / Android 9 |
|                   |                       | Pie (Kernel version 4.14.98) BSP Support                    |
| PACKING LIST      | PACKAGE               | 1 x Motherboard / 1 x Quick Installation Guide              |