



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

- Intel Elkhart !
- Dual INTEL LAN !
- Multi expansion Slot !
- up to 32GB RAM !

This board is produced by MITAC, the OEM producer of Intel DN2800MT. This board is based on Intel DN2800MT, but is equipped with the modern Intel Elkhart Lake platform. PD10EHI is available until at least Q4/2027.

- Intel® Elkhart Lake ATOM/Celeron/Pentium BGA Processor (TDP up to 12W)
- Support 2 x DDR4 SO-DIMM (Up to 64GB)
- Support Triple Display for HDMI, DisplayPort, and LVDS/eDP
- Support 1 x PCIe X1 (Gen 2) slot, 2 x M.2 slot, 2 x SATA III and 1 x mPCIe slot
- 4 x USB2.0, 2 x USB3.1 Gen2, 6 x COM and 1 x Parallel Port / MiAPI (configurable digital I/O)
- 8V~24V wide voltage power input

MECHANICAL

FORM FACTOR

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

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|---------------------|-------------------|---|
| | PROCESSOR | Intel® Elkhart Lake Pentium N6415 |
| | CHIPSET | Intel® SoC Integrated |
| | SYSTEM MEMORY | DDR4 3200 MHz / 2 x 260-pin SO-DIMM / Max. 32GB (Non-ECC) |
| | GRAPHICS | Intel® HD Graphics |
| | ETHERNET | 2 x Intel® I211-AT Giga LAN |
| | AUDIO | Realtek® ALC256 |
| | I/O CHIPSET | Nuvoton NCT6126D(eSPI) |
| | TPM | Nuvoton NPCT750AABYX TPM2.0 (Optional) |
| SYSTEM | | PCIe 3.0 X1 slot / M.2 3042 / 3052 / 2242 / 2260 / 2280 B key (USB2.0, SATAIII, *PCIex1) *Not support M.2 M Key NVMe SSD / M.2 2230 E key (PCIe, USB 2.0) / Mini PCIe Full size (PCIe / USB / SATA) |
| | EXPANSION SLOT | |
| | 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 |
| | VGA | - |
| | DVI | - |
| GRAPHICS | HDMI | Up to 4K (4096 x 2160) @60 Hz |
| | DISPLAYPORT | Up to 4K (4096 x 2160) @60 Hz |
| | LVDS | Up to 1920 x 1200 @60 Hz |
| | eDP (Option) | Up to 4K (4096 x 2160) @60 Hz |
| | USB | 2 x USB 2.0 / 2 x USB 3.1 Gen 2 |
| | DISPLAY I/O | 1 x HDMI 1.4 / 1 x DisplayPort 1.4 |
| | AUDIO I/O | 1 x Mic-in / 1 x Line-out |
| REAR I/O | LAN I/O | 2 x RJ-45 |
| | SERIAL PORT | - |
| | PS/2 PORT | - |
| | OTHERS | DC-in Jack 8-24V (2.5 mm / ID, 5.5 mm / OD) |
| | STORAGE | 1 x SATA power header / 2 x SATAIII (Multiplexed with M.2 and mSATA ports) |
| | USB | 2 x USB 2.0 |
| | DISPLAY I/O | 1 x Backlight Connector / 1 x LVDS / 1 x eDP |
| | AUDIO I/O | 1 x Stereo Speaker Header / 1 x Audio Header (Front Panel Mic-in & Line-out) |
| | SERIAL PORT | 2 x RS232 / (Extra 1 x RS232/422/485 Header + 3 x RS232 Header for Option. Max. 6 x COM by Option) |
| INTERNAL CONNECTORS | PARALLEL PORT | 1 x Parallel Port Header (Optional) / 1 x MiAPI Header |
| | GPIO | - |
| | FAN | 1 x 4-pin System Fan Header |
| | POWER | 1 x 4-pin ATX Power Connector / 1 x 8~24V 4-pin Power Connector |
| | OTHERS | 1 x CMOS Jumper / MiAPI: Programmable header (support 10 x GPIO, 1 x SMBUS, 1 x UART, 1 x Watchdog) with API library supported for Windows OS / 1 x panel power select header |

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| POWER REQUIREMENT | POWER INPUT | DC-in 8~24V (2.5 mm / ID, 5.5 mm / OD) / ATX 4-pin |
| | OPERATING TEMPERATURE | 0 ~ 60°C (32 ~140°F) |
| ENVIRONMENTAL | 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 / Linux (support by request) |
| PACKING LIST | PACKAGE | 1 x Motherboard / 1 x 50 cm SATA Cable / 1 x 45 cm SATA Power Cable / 2 x I/O Bracket (Half and Full Height) / 1 x Quick Installation Guide |