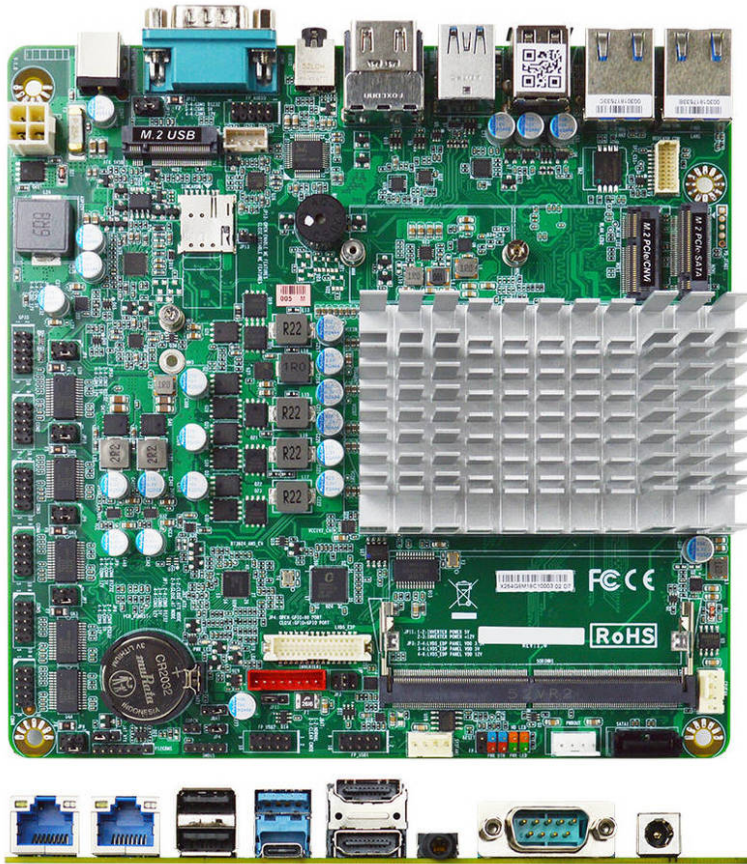




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Jetway MTX-TWL1-N1500010 MiniITX (Intel Atom N150 SoC, 2x HDMI, 2x 2.5GbE LAN) [12-28V Input]  
[<http://www.cartft.com/catalog/il/3922>]



409.00 EUR

incl. 19% VAT, plus shipping

- Intel Atom N150, 6W !
- 2x 2.5GbE LAN !
- 6x COM, 6x USB !
- MTX-TWL1-N1500010 !

- Powered by onboard Intel® Atom® N150 Processor (Formerly Twin Lake, TDP 6W)
- Memory: 1 x DDR5 4800MT/s Single Channel SO-DIMM, up to 32GB
- Support up to three displays: 1 x Type-C DP, 2 x HDMI® 2.0b and 1 x LVDS/eDP
- Dual 2.5GbE LAN ports for fast and reliable networking
- Storage expansion with 1 x SATA III and 1 x M.2 M-Key for NVMe
- Additional expansion options: 1 x M.2 E-Key and 1 x M.2 B-Key for 4G/5G modules
- Comprehensive I/O: 1 x USB 3.2 Gen 2x1, 1 x USB 3.2 Gen 2x1 Type-C, 6 x USB 2.0 and 6 x COM ports
- Wide DC input range of 12-28V
- Intel® PTT (fTPM)

#### SYSTEM

MB FORM FACTOR

CPU

CHIPSET

MEMORY

BIOS

WAKE ON LAN

WATCHDOG TIMER

Mini-ITX

Onboard Intel® Atom® N150 Processor  
(Formerly Twin Lake, TDP 6W)

Intel® SoC

1 x DDR5 4800MT/s, Single Channel SO-DIMM,  
up to 32GB

UEFI

Yes

255 Levels

|                    |                                                                                                                                                                   |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SECURITY           | Intel® PTT (fTPM)                                                                                                                                                 |
| RTC BATTERY        | Lithium Battery                                                                                                                                                   |
| DIMENSION (W X D)  | 170.0 (W) x 170.0 (D) mm (6.7" x 6.7")                                                                                                                            |
| OS SUPPORT         | Windows® 11 (64bit)<br>Windows® 10 (64bit)<br>Linux                                                                                                               |
| POWER              |                                                                                                                                                                   |
| POWER REQUIREMENT  | DC-in 12~28V                                                                                                                                                      |
| POWER ON MODE      | AT / ATX                                                                                                                                                          |
| CONNECTOR          | DC Jack<br>4-pin Header                                                                                                                                           |
| DISPLAY            |                                                                                                                                                                   |
| GPU                | Intel® UHD Graphics                                                                                                                                               |
| LVDS               | 1 x 24-bit Dual Channel LVDS (Max. Resolution: 1920 x 1080 @60Hz / Co-Lay eDP)                                                                                    |
| Type-C DP          | 1 x Type-C DP1.4 (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                                                                                                                        |
| AMPLIFIER          | 3W                                                                                                                                                                |
| LAN                |                                                                                                                                                                   |
| ETHERNET           | 2 x RJ45 for Intel® I226-V 2.5GbE                                                                                                                                 |
| USB PORT           |                                                                                                                                                                   |
| USB                | 1 x USB 3.2 Gen 2x1 (10Gbps, Formerly USB 3.1 Gen 2)<br>1 x USB 3.2 Gen 2x1 Type-C (10Gbps) Support DP ALT Mode<br>2 x USB 2.0<br>Internal Header for 4 x USB 2.0 |
| SERIAL PORT        |                                                                                                                                                                   |
| COM                | 1 x DB-9 for RS-232/422/485 with 5V/12V header<br>Internal Header for 5 x RS-232 with 5V/12V header                                                               |
| INTERNAL I/O       |                                                                                                                                                                   |
| GPIO               | 8-Bit                                                                                                                                                             |
| SMBUS              | Yes                                                                                                                                                               |
| FAN                | 1 x CPU Fan Header<br>1 x System Fan Header                                                                                                                       |
| FRONT PANEL        | HDD Active LED, Power On/Off, Power LED, Reset                                                                                                                    |
| ADDITIONAL STORAGE | 1 x PS/2                                                                                                                                                          |

|                             |                                                                                                                                                                                                 |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SATA                        | 1 x SATA III<br>1 x SATA Power Connector                                                                                                                                                        |
| EXPANSION                   |                                                                                                                                                                                                 |
| M.2                         | 1 x M-Key 2242/2280 (SATA/PCIe 3.0 x2)<br>Support NVMe<br>1 x E-Key 2230 (USB 2.0/PCIe 3.0 x1) Support CNVi<br>1 x B-Key 3042/3052 (USB 3.2/USB 2.0) for 4G/5G Module<br>1 x Nano SIM Card Slot |
| SIM                         |                                                                                                                                                                                                 |
| ENVIRONMENT & CERTIFICATION |                                                                                                                                                                                                 |
| SHOCK                       | 15G, 11ms duration                                                                                                                                                                              |
| VIBRATION                   | 1 Grms/ 5~ 500Hz/ Operation                                                                                                                                                                     |
| OPERATING TEMPERATURE       | -20°C ~ 60°C (-4°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                                                                                                                                                                                  |
| Packing List                | MTX-TWL1 MB<br>I/O Shield<br>Heatsink<br>COM Port Cable x 2<br>SATA Cable<br>SATA Power Y Cable                                                                                                 |