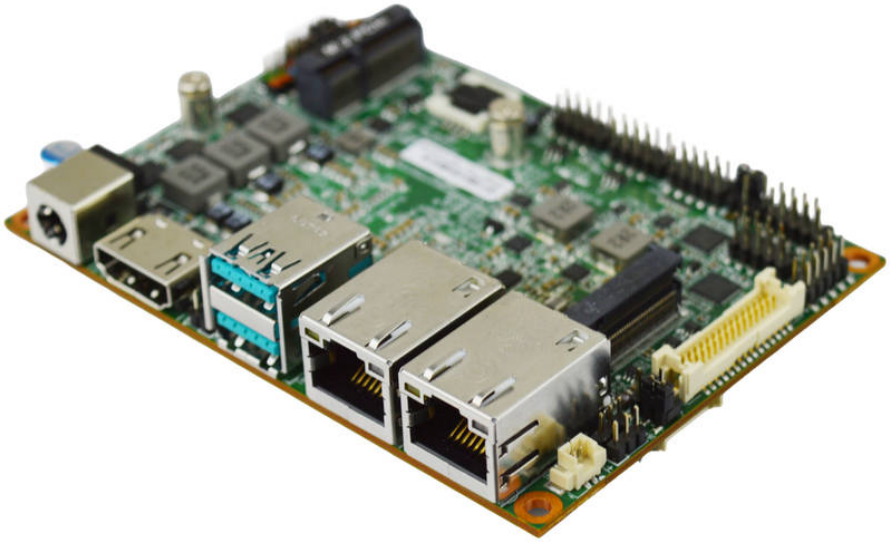

429.00 EUR
incl. 19% VAT, plus shipping

- Intel® Atom® N150 Processor from the N-series (Formerly Twin Lake)
- High-Performance Memory: Supports DDR5 SO-DIMM, up to 32GB
- Dual Display Support: 1 x HDMI® for 4K display and 1 x LVDS Co-layout with eDP
- Storage & Expansion: 1 x M.2 E-Key, 1 x M.2 M-Key
- Comprehensive I/O: 2 x USB 3.2 Gen2, 4 x USB 2.0, 2 x RS-232/422/485
- Enhanced Security: Supports Intel fTPM
- Wide Operating Temperature: from -20 ~ 60°C for different industrial applications
- Dual LAN: 2 x RJ45 for Realtek® RTL8111H GbE

SYSTEM	
MB FORM FACTOR	Pico-ITX
CPU	Onboard Intel® Atom® N150 Processor (Formerly Twin Lake, TDP 6W)
CHIPSET	Intel® SoC
MEMORY	1 x DDR5 4800MT/s, Single Channel SO-DIMM, up to 32GB
BIOS	UEFI
WAKE ON LAN	Yes
WATCHDOG TIMER	255 Levels
SECURITY	Intel® PTT (Integrated fTPM)
RTC BATTERY	Lithium Battery
DIMENSION (W X D)	100.0 (W) x 72.0 (D) mm (3.9″ x 2.8″)
OS SUPPORT	Windows® 11 (64bit) Linux
POWER	
POWER REQUIREMENT	DC-in 12V
POWER ON MODE	AT / ATX (Default) Mode
CONNECTOR	DC Jack Internal 2-pin Header
DISPLAY	
GPU	Intel® Graphics
LVDS	1 x 24-bit Dual Channel LVDS (Max. Resolution: 1920 x 1200 @60Hz, co-layout eDP)
HDMI®	1 x HDMI® 1.4b (Max Resolution: 3840 x 2160@30Hz)
MULTIPLE DISPLAY	Support 2 Displays

AUDIO	
CODEC	Realtek Audio Codec
COMBO	1 x Internal Header
LAN	
ETHERNET	2 x RJ45 for Realtek® RTL8111H GbE
USB PORT	
USB	2 x USB 3.2 Gen 2x1 (10Gbps, Formerly USB 3.1 Gen 2) Internal Header for 4 x USB 2.0
SERIAL PORT	
COM	Internal Header for 2 x RS-232/422/485
INTERNAL I/O	
GPIO	8-Bit
SMBUS	Yes
FRONT PANEL	HDD Active LED Power LED Power On/Off Reset
ADDITIONAL	1 x AT/ATX Mode Selection
EXPANSION	
M.2	1 x M-Key 2280 (PCIe Gen 3 x2/SATA interface) support NVMe 1 x E-Key 2230 (USB 2.0/PCIe x1) for WIFI/BT Module
ENVIRONMENT & CERTIFICATION	
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