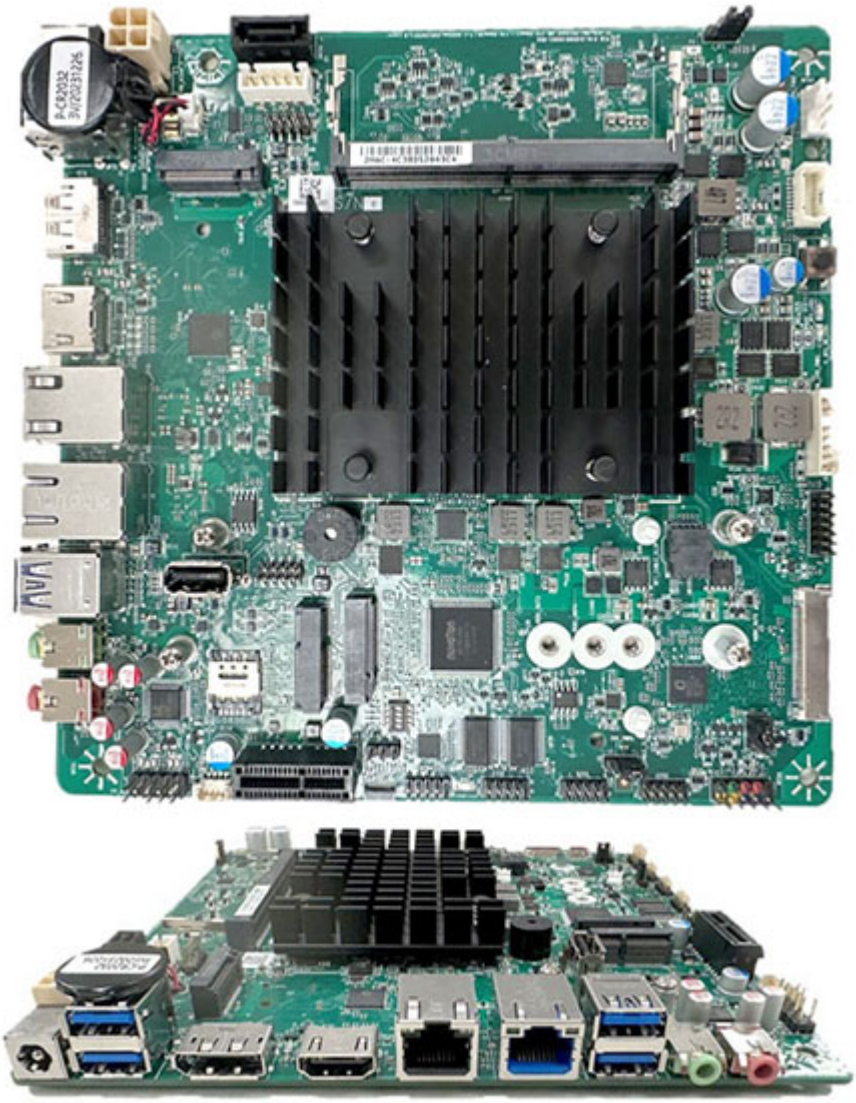

269.00 EUR
incl. 19% VAT, plus shipping

- Intel Alder Lake !
- Dual INTEL LAN !
- Multi expansion Slot !
- 8-24 VDC !

- Intel® Alder Lake N ATOM/Core i3 BGA Processor (TDP up to 12W)
- Support 1 x DDR5 SO-DIMM (Up to 16GB)
- Compatible with M.2 3042/3052 + SIM slot for 5G cellular network connectivity
- Support Triple Display for HDMI, DisplayPort, and LVDS/eDP
- Support 1 x PCIe X1 (Gen 3) slot, 1 x M.2 2280 M-Key(SATA), 1x M.2 2280/2242 B-Key (SATA, PCIe X1), 1 x M.2 2230 E-Key, 1 x SATA III.
- 1x USB3.2 Gen2, 3x USB3.2 Gen1, 4 x USB2.0, 1 x USB2.0 Vertical Type A, 4 x COM and 1 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)

SYSTEM	PROCESSOR	Intel® Alder Lake N N50, Core i3-N305, and Atom x7425E Processor
	CHIPSET	Intel® SoC Integrated
	SYSTEM MEMORY	1 x 260-pin SO-DIMM / DDR5 4800 MHz / Max. 16GB (Non-ECC)
	GRAPHICS	Intel® HD Graphics
	ETHERNET	2 x Intel® I226-V 2.5 Giga LAN
	AUDIO	Realtek® ALC888S
	I/O CHIPSET	Nuvoton NCT6126D(eSPI)
	TPM	Nuvoton NPCT750AABYX TPM2.0 (Optional)
	EXPANSION SLOT	- i3-N305 & x7425E: PCIe 3.0 x1 slot /M.2 3042 / 3052 / 2242 / 2260 / 2280 B key (USB3.1 Gen 1, USB2.0, SATAIII, PCIex1) with nano SIM slot /M.2 2280 M key(SATAIII)*Not support M.2 M Key NVMe SSD /M.2 2230 E key (PCIex1, USB2.0)*Support CNVi. / - N50: PCIe 3.0 x1 slot /M.2 3042 / 3052 / 2242 / 2260 / 2280 B key (USB2.0, SATAIII, PCIex1) with nano SIM slot *Not support M.2 M Key NVMe SSD /M.2 2230 E key (PCIex1, USB2.0)*Support CNVi.
	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	VGA	-
	DVI	-
	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
REAR I/O	USB	- i3-N305 & x7425E: 1x USB 3.2 Gen2, 3x USB 3.2 Gen1 - N50: 1x USB 3.2 Gen2, 1x USB 3.2 Gen1, 2x USB 2.0
	DISPLAY I/O	1 x HDMI 1.4 / 1 x DisplayPort 1.4b
	AUDIO I/O	1 x Mic-in / 1 x Line-out
	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)

INTERNAL CONNECTORS	STORAGE	1 x SATA power header / 1 x SATAIII (Multiplexed with M.2 Key)
	USB	I3-N305 & 7425E: 4 x USB 2.0 / 1 x USB2.0 Vertical Type A N50: 2 x USB 2.0
	DISPLAY I/O	1 x Backlight Connector / 1 x LVDS / 1 x eDP(optional)
	AUDIO I/O	1 x Stereo Speaker Header / 1 x Audio Header (Front Panel Mic-in & Line-out)
	SERIAL PORT	- i3-N305 & x7425E: 1 x RS232/RS422/485 / 3 x RS232 - N50: 3 x RS232
	PARALLEL PORT	1 x MiAPI Header
	GPIO	-
	FAN	1 x 4-pin System Fan Header
	POWER	1 x AT / ATX Mode Select Jumper / 1 x 4-pin ATX 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 Buzzer / 1 x Panel power select header (default 3.3V, option to 5V, 12V)
POWER REQUIREMENT	POWER INPUT	DC-in 8~24V (2.5 mm / ID, 5.5 mm / OD) / ATX 4-pin
ENVIRONMENTAL	OPERATING TEMPERATURE	0 ~ 60°C (32 ~140°F)
	STORAGE TEMPERATURE	-40 ~ 85°C (-40 ~185°F)
	OPERATING HUMIDITY	10% ~ 95% R/H (Non-condensing)
	CERTIFICATION	CE / FCC Class B
OS	OS SUPPORT	Linux (support by request) / Ubuntu 20.04 / Windows® 10 64-bit / Windows® 11 64bit,
PACKING LIST	PACKAGE	1 x 50 cm SATA Cable / 2 x I/O Bracket (Half and Full Height) / 1 x Quick Installation Guide / 1 x 54 cm SATA Power Cable / 1 x Motherboard