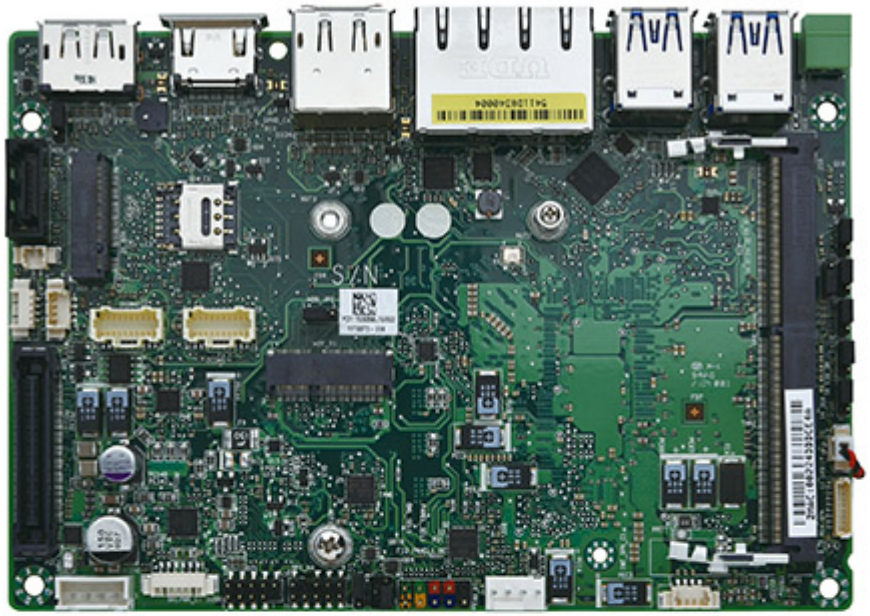

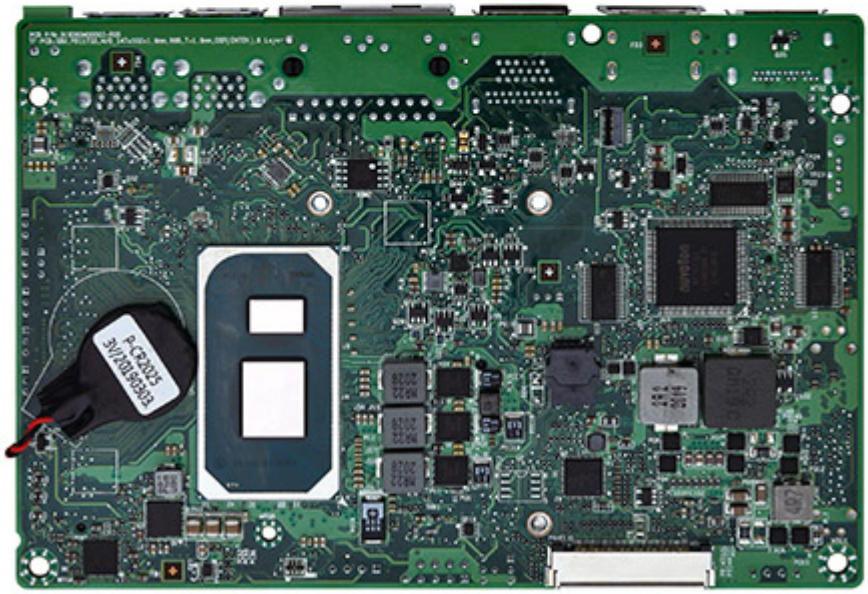

879.00 EUR
incl. 19% VAT, plus shipping

- Intel® i5-1145G7E Tiger Lake-UP3 !
- 2x Gigabit LAN !
- 3,5" SBC !
- HDMI & DP !

- Intel® i5-1145G7E Processor
- Outstanding graphic computing capability with Integrated Intel®Iris Xe graphics
- Intel® vPro technology support
- Compatible with M.2 3042/3052 + SIM slot for 5G cellular network connectivity
- 1 x DDR4 SO-DIMM and support up to 32GB
- Support Quadruple display for HDMI, DisplayPort and LVDS / eDP
- Support 1 x M.2 2280 B-Key (SATA, PCIe X1), 1 x M.2 2230 E-Key (CNV)
- 1 x SATA III
- 2 x Intel® Gigabit Ethernet
- 2 x USB 2.0, 4 x USB 3.1 Gen2 and 4 x COM
- 8V~24V wide voltage power input

MECHANICAL	FORM FACTOR	3.5" SBC: 4” x 5.8” (102 mm x 147 mm)
SYSTEM	PROCESSOR	11th Gen Intel® Tiger Lake-UP3 i3-1115G4E (Dual Core, 6MB Cache, up to 3.90 GHz) / option: 11th Gen Tiger Lake-UP3 Celeron 6305E / i5-1145G7E / i7-1185G7E
	CHIPSET	Intel® SoC Integrated
	SYSTEM MEMORY	DDR4 3200 MHz / 1 x 260-pin SO-DIMM / Max. 32GB (Non-ECC)
	GRAPHICS	Intel® Iris Xe Graphics
	ETHERNET	Intel® I219-LM Giga LAN / Intel® I225-LM 2.5GbE LAN
	AUDIO	Realtek® ALC256
	I/O CHIPSET	Nuvoton NCT6126D(eSPI)
	TPM	Nuvoton NPCT750AABYX TPM2.0
	EXPANSION SLOT	M.2 3042 / 3052 / 2242 / 2260 / 2280 B key (USB2.0, SATAIII, *PCIex1) *Not support M.2 M Key NVMe SSD / Wireless: M.2 2230 E key (PCIe, USB)
	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	HDMI	Up to 4K (3840 x 2160) @30 Hz
	DISPLAYPORT	Up to 4K (4096 x 2160) @60 Hz
	LVDS	Up to 1920 x 1200 @60 Hz
	eDP (Option)	Up to 5120 x 3200 @60 Hz
REAR I/O	USB	4 x USB 3.1 Gen 2
	DISPLAY I/O	1 x DisplayPort 1.2 / 2 x HDMI 1.4
	AUDIO I/O	-
	LAN I/O	2 x RJ-45
	STORAGE	1 x SATAIII / 1 x SATA power header
INTERNAL CONNECTORS	USB	2 x USB 2.0
	DISPLAY I/O	1 x LVDS (*Optional eDP SKU available) / 1 x Backlight Connector
	AUDIO I/O	1 x Stereo Speaker Header
	SERIAL PORT	3 x RS232 / 1 x RS232 / 422 / 485
	GPIO	-
	FAN	1 x 4-pin CPU Fan Header
	POWER	1 x AT / ATX Mode Select Jumper / 1 x 8~24V 4-pin 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 panel power select header / 1 x backlight power select header, / 1 x Buzzer
POWER REQUIREMENT	POWER INPUT	8~24V Wide Range DC Input w/ 4-pin Power Header (Pitch: 2.5mm)

ENVIRONMENTAL	OPERATING TEMPERATURE	28W TDP:-40~50°C with 0.7m/s Air Flow (w/ Standard Temp. SSD/mSATA/RAM) / 15W TDP:-40~60°C with 0.7m/s Air Flow (w/ Standard Temp. SSD/mSATA/RAM)
	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 / Ubuntu 18.04 / Kernel 4.15 / Linux (support by request)
PACKING LIST	PACKAGE	1 x Motherboard / 1 x 50 cm SATA Cable / 1 x 45 cm SATA Power Cable / 1 x Quick Installation Guide