

Article-No.: 122596

Calmo Panel-PC 15,6" VESA

i5-9500, 8GB RAM, 120GB SSD, WLAN

Technical data

processor	Intel® Core™ i5-9500T (6x 2,20 GHz up to 3,70 GHz with Intel® Turbo-Boost-Technology, HD 630, 9M Cache)
Service	2 years Bring-In Extension on request
hard disk	128 GB SSD
Plug-in card	Intel® Dual Band Wireless AX200 Wi-Fi 6, 802.11 ax/ac/a/b/g/n Bluetooth 5.0
Note for wifi usage	The range from 5150 MHz to 5350 MHz of the 5 GHz WLAN band is for indoor use only.
slot bracket extension	1x serial (slot bracket with 9pin serial plug)
interface	internal 2mm COM
power supply	120 watts, external input: 90-264V AC / 47-63Hz Output: 19V DC / 6.32A
Suitable for	Panel I-Core
24-hour continuous operation	yes
mainboard	Powered by Kontron® - Made in Germany
chipset	Intel® H310
hint	supports 8th and 9th generaion CPUs
working memory max.	2x SO-DIMM DDR4 PC2400/2666, max. 32 GB (supports dual channel memory architecture)
graphic onboard	Intel® HD Graphics, DirectX12 support (with appropriate CPU)
max. resolution HDMI	4,096 x 2,160 pixels @30Hz / 2,560 x 1,600 pixels @60Hz (HDMI 1.4)
max. resolution DisplayPort	4,096 x 2,304 pixels @60Hz (DisplayPort 1.2)
graphic note	Intel® H310 chipset supports only the simultaneous operation of max. 2 monitors
network	Realtek RTL8111E, 10/100/1000 MBit/s
PXE support	yes
Wake on LAN (WOL) support	yes
audio	Realtek ALC 255 5.1-Channel High Definition Audio
rear interfaces	2x USB 3.2 Gen1 (5Gbit/s), 2x USB 2.0, 1x PS/2 for keyboard/mouse, HDMI, DisplayPort, LAN, Audio, DC-In
Note monitor interfaces	HDMI 1.4 DisplayPort 1.2
expansion slots	1x PCIe® M.2-SATA (2280), 1x PCIe® M.2-WLAN (2230)
M.2 for SSD	1
hint	for M.2 SSD (2280 SATA/PCIe® x4, AHCI/NVMe®)
M.2 for WLAN	1
hint	for WLAN module



Highlights

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internal interfaces	1x USB 3.2 Gen1 (5GBit/s), 2x USB 2.0, serial, TPM, 2x SATA3 (6Gb/s)
hint	RS-232 only internal, not accessible from outside
Trusted Platform Module (TPM) Header	yes
Trusted Platform Module (TPM)	Intel® TPM V2.0
24-hour continuous operation	yes
Note for wifi usage	The range from 5150 MHz to 5350 MHz of the 5 GHz WLAN band is for indoor use only.
maker	Calmo
screen diagonal	15.6" (39.6 cm)
Maximum resolution	1,920 x 1,080 pixels (FHD)
touch technology	Projected capacitive touch (P-cap)
pane	antireflective glass (non glare)
usability	Multi-Touch (10 fingers)
processor	Intel® Core™ i5-9500 (6x 3,00 GHz up to 4,40 GHz with Intel® Turbo-Boost-technology, UHD 630, 9M Cache)
installed operating system	no operating system included
installed memory	8 GB DDR4 PC2400 SO-DIMM
installed hard disk	120 GB SSD 2.5" SATA3 with 6 Gb/s
mainboard	Powered by Kontron® - Made in Germany
Working memory max.	2x SO-DIMM DDR4 PC2666, max. 32 GB (supports Dual Channel memory architecture)
audio	Realtek ALC 255 High Definition Audio
Rear interfaces	2x USB 3.0, 2x USB 2.0, 1x PS/2 for keyboard/mouse, HDMI, DisplayPort, LAN, Audio, DC-In
slot bracket extension	1x serial (RS-232)
WLAN chipset	Intel® Wi-Fi 6 AX200
Bluetooth	5.2
expansion slots	1x M.2 2280 M-key (PCIe® x4), 1x M.2 2230 E-key
Power supply (external)	120 Watt, external input: 100-240V AC / 50-60Hz Output: 19V DC / 6,32A
wide range input	19 - 24V DC
advice	Wide range input usable via DC-In or Phoenix connector
operating temperature range	0°C to 45°C
IP protection class (front side)	IP 65
IP Protection class (rear)	IP 50
Dimensions (WxHxD)	395.60 x 243.60 x 63.33 mm
ventilation	fanless
installation option	Wall mounting



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	mounting via VESA 100 possible. Foot not included.
advice	CPU is heat optimized via BIOS to 35Watt TDP
stock	Plastic / Metal
tint	black
loudness	0 dB(A)
24/7 continuous operation	yes
grade	EXTRA Computer has a quality management system which is certified according to DIN ISO 9001
Available until	2025
guarantee	2 years Bring-In Extension on request