

Article-No.: 147340

Calmo Panel-PC 21,5" IP69K stainless steel

i5-9500T, 8GB RAM, 250GB SSD, RFID, Funktionstasten, VESA, IP69K, W11Pro

Technical data

Network cables

Cable end 1	RJ45 connector
Cable end 2	RJ45 connector
cable category	Cat. 5e
cable's length	1 m
cable color	grey

Service

Service	2 years Bring-In
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Mainboard Accessories

Slot bracket extension

slot bracket extension	1x serial (slot bracket with 9pin serial plug)
interface	internal 2mm COM

Mainboard Desktop

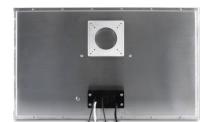
manufacturer	Kontron®
marking	D3674-B
form factor	Thin Mini-ITX
socket	LGA1151
chipset	Intel® H310
hint	supports 8th and 9th generaion CPUs
working memory max.	32 GB
memory slots	2
memory technology	DDR4L-SDRAM
graphic onboard	Intel® HD Graphics, DirectX12 support (with appropriate CPU)
max. resolution 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

network chipset	Realtek RTL8111E
transmission rate	10/100/1000 Mbps
PXE support	yes
Wake on LAN (WOL) support	yes

audio

audio chipset	Realtek ALC 255
sound mode	5.1-channel high definition



Highlights

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rear interfaces

USB 3.2 Gen1 (5Gbit/s)	2
USB 2.0	2
PS/2	1
HDMI	1
DisplayPort	1
Note monitor interfaces	HDMI 1.4 DisplayPort 1.2
LAN (RJ-45)	1
audio	line-in, line-out
DC in	1
hint	Wide range input 19-24V DC-In
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
USB 3.2 Gen1 (5Gb/s) header	1
USB 2.0 header	2
hint	1x USB Header provides 2x USB Channel
serial	1
hint	RS-232 only internal, not accessible from outside
Trusted Platform Module (TPM) Header	yes
Trusted Platform Module (TPM)	Intel® TPM V2.0
SATA3 (6 Gb/s)	2
other	
24-hour continuous operation	yes
available until	Q1 2022
particularity	Recovery BIOS, System/BIOS Password, Boot Sequence Control, Serial/ Parallel/ USB-Port Access, Boot Sector Virus Warning, Write Protection for Flash BIOS, Erase Disk (BIOS Feature, license required!); Intel integrated TPM V2.0, optional Infineon TPM Module (TCG compliant, socket prepared)
Processor	
manufacturer	Intel®
marking	Core™ i5
type	9500T
cpu socket	LGA1151
cores	6
threads	6



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clock rate	2,20 GHz
max. clock frequency with Intel® Turbo Boost technology	3,70 GHz
smartCache	9 MB
bit set	64 bit
max. TDP	35 Watt
processor graphic	Intel® UHD Graphics 630
Intel® Hyper-Threading Technology	no
Intel® Virtualization Technology (VT-x)	yes
ECC memory support	no
Power supply	
manufacturer	bicker
form factor	outboard
type	outboard
Power	10 Watt
input voltage range	9 - 36V DC
switch	no
width	32 mm
hight	23 mm
depth	78 mm
Connector for ext. power supply	screw terminals
Power supply	screw terminals
Operating system	
installed operating system	Windows® 11 Pro 64-bit
System	
WiFi usage	
maker	Calmo
Panel	
backlight	LCD
screen diagonal	21.5" (54.61 cm)
aspect ratio	16:9
light	590 cd/m²
Contrast (static)	3.000:1
Maximum resolution	1,920 x 1,080 pixels (FHD)
Touch	
touch technology	Projected capacitive touch (P-cap)
pane	Reflective glass pane (glare)
usability	Multi-Touch (10 fingers)

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Usability with glove	Latex glove Work glove ESD-glove
Processor	
maker	Intel®
label	Core™ i5
bloke	9500T
plinth	LGA1151v2
Number of cores	6
Number of threads	6
clock	2,20 GHz
max. clock frequency with Intel® Turbo Boost technology	3,70 GHz
L3 Cache	9 MB
bit set	64
max. TDP	35
processor graphic	Intel® UHD Graphics 630
Intel® vPro Technology	yes
Operating system	
installed operating system	Windows® 11 Pro 64-bit
Main storage	
quantum	1 x
greatness	8 GB
technology	DDR4 SO-DIMM
form factor	SO-DIMM
memory speed	2666 MHz
Hard disk	
installed hard disk	250 GB SSD 2.5" SATA3 with 6 Gb/s
Mainboard	
mainboard	Powered by Kontron® - Made in Germany
maker	Kontron®
label	D3674-B
form factor	Thin Mini-ITX
plinth	LGA1151v2
chipset	Intel
Memory max. size	32 GB
Memory Slots	2
main memory technology	DDR4 SO-DIMM
form factor	SO-DIMM
Graphic onBoard	Intel® UHD Graphics 630

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Audio

Audio Chipset	Realtek ALC 255
sound mode	5.1-channel high definition

Rear interfaces

USB3.0	2
advice	all interfaces are led out of the device by means of 5m cables on the back and pressed watertight
DisplayPort	1
LAN (RJ-45)	1
RS-232/422/485	1
Note Panel PC interfaces	all interfaces are led out of the device by means of 5m cables on the back and pressed watertight

Internal interfaces

Internal interfaces	3x USB 3.1 Gen 1, 1x USB 2.0, 2x SATA, 1x RS232, 1x RS232/422/485, 1x GPIO, 1x M.2 Key B, 1x M.2 Key-E, Audio Mic. In / Line out
USB 2.0	1
USB 3.0 port	3
Trusted Platform Module (TPM)	yes
SATA3 (6Gb/s)	2

Communicating

Network Chipset	Realtek
transmission rate	10/100/1000 Mbps
Wake on LAN (WOL) support	yes
PXE support	yes
Auto-Power-On function	yes
watchdog	yes

Expansion slots

expansion slots	1x M.2 2280 M-key (PCIe® x4), 1x M.2 2230 E-key
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Power supply

voltage input range	85 - 264V AC
Voltage from	85
Voltage up to	264
polarization	AC
max. current consumption	0,5 A

Surrounding area

operating temperature range	0°C to 55°C
Operating Relative Humidity	0% to 90% (condensing)

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IP protection class (front side)	IP 69K
IP Protection class (rear)	IP 69K
advice	Protection class available on all sides
Shell	
amplitude	637,5 mm
elevation	389 mm
deep	81 mm
ventilation	fanless
installation option	Wall mounting via VESA 75 or 100 possible
advice	Touch control panel (1=power, 2=touch off, 3-7=configurable function keys, 8=RFID reader)
heaviness	14 kg
loudness	0 dB(A)
Certifications	
CE	yes
24/7 continuous operation	yes
grade	EXTRA Computer has a quality management system which is certified according to DIN ISO 9001
Image stability	
Available until	2024
Service	
guarantee	2 years Bring-In Extension on request