

Article-No.: 136229

Calmo Panel-PC 21,5" IP69K stainless steel

J5005, 4GB RAM, 120GB SSD, VESA, IP69K, W10Pro

Technical data

Network cables (2 x)

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
----------------	------------------

Mainboard Industry

manufacturer	Kontron®
marking	D3544-S3
form factor	Mini-STX
socket	CPU vibration resistant soldered

CPU onBoard

chipset	Intel® Pentium® J5005 Processor (4x 1.50 GHz up to 2.80 GHz with Intel® Burst Frequency Technology, 4M Cache)
----------------	--

working memory max.	1x SO-DIMM DDR4 PC2400, max. 16 GB
----------------------------	------------------------------------

memory max. size	16 GB
-------------------------	-------

memory Slots	1
---------------------	---

memory Technology	DDR4-SDRAM
--------------------------	------------

graphic onBoard	Intel® UHD Graphics 605
------------------------	-------------------------

max. resolution DisplayPort	4,096 x 2,160 pixels @60Hz (DisplayPort 1.2)
------------------------------------	--

network

network chipset I	Intel® i210
--------------------------	-------------

transmission rate	10/100/1000 Mbps
--------------------------	------------------

network chipset II	Realtek RTL8111G
---------------------------	------------------

transmission rate	10/100/1000 Mbps
--------------------------	------------------

PXE support	yes
--------------------	-----

Wake on LAN (WOL) support	yes
----------------------------------	-----

Auto-Power-On function	yes
-------------------------------	-----

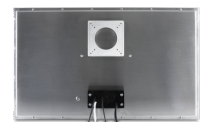
audio

audio chipset	Realtek ALC 671
----------------------	-----------------

sound mode	5.1-channel high definition
-------------------	-----------------------------

interfaces in front

USB 3.2 Gen2 (10Gbit/s)	2
--------------------------------	---



Highlights

Article-No.: 136229

Calmo Panel-PC 21,5" IP69K stainless steel

J5005, 4GB RAM, 120GB SSD, VESA, IP69K, W10Pro

audio	line-in, line-out
rear interfaces	
USB 2.0	4
DisplayPort	2
LAN (RJ-45)	2
DC-IN	1
expansion slots	1x PCIe® M.2 SATA (2242/2260/2280), 1x PCIe® M.2 WLAN (2230)
expansion slots	
M.2 Key-B SATA	1
M.2 Key-E WLAN	1
internal interfaces	
USB 3.2 Gen2 (10Gbit/s)	1
USB 2.0	1
RS-232	1
RS-232/422/485	1
Trusted Platform Module (TPM)	yes
GPIO	8-bit I/O
LVDS	yes
backlight inverter	yes
SATA3 (6Gb/s)	2
operating voltage I	8 - 24V DC
24-hour continuous operation	yes
available until	Q4 2021

Mainboard Accessories

Slot bracket extension

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

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.	screw terminals



Article-No.: 136229

Calmo Panel-PC 21,5" IP69K stainless steel

J5005, 4GB RAM, 120GB SSD, VESA, IP69K, W10Pro

power supply	
Power supply	screw terminals
Operating system	
installed operating system	Windows® 10 Pro 64-Bit (Downgrade von Windows® 11 Pro 64-Bit)
Hard disk	
memory capacity	128 GB
type	SSD
frame size	2,5"
interface	SATA3 with 6 Gb/s
24-hour continuous operation	yes
Main storage	
size	4 GB
technology	DDR4 SO-DIMM
form factor	SO-DIMM
connector	260-pole
speed	2666 MHz
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)
Usability with glove	Latex glove Work glove ESD-glove
Processor	
maker	Intel®
label	Pentium®
bloke	J5005
plinth	CPU vibration resistant soldered
Number of cores	4

Article-No.: 136229

Calmo Panel-PC 21,5" IP69K stainless steel

J5005, 4GB RAM, 120GB SSD, VESA, IP69K, W10Pro

Number of threads	4
clock	1,50 GHz
max. clock frequency with Intel® burst frequency technology	2,80 GHz
L3 Cache	4 MB
bit set	64
max. TDP	10
processor graphic	Intel® UHD Graphics 605
Operating system	
installed operating system	Windows® 10 Pro (Downgrade from Windows 11 Pro)
Main storage	
quantum	1 x
greatness	4 GB
technology	DDR4 SO-DIMM
form factor	SO-DIMM
memory speed	2666 MHz
Hard disk	
installed hard disk	120 GB SSD 2.5" SATA3 with 6 Gb/s
Mainboard	
mainboard	Powered by Kontron® - Made in Germany
maker	Kontron®
label	D3544-S3
form factor	Mini-STX
plinth	CPU vibration resistant soldered
chipset	Intel
Memory max. size	16 GB
Memory Slots	1
main memory technology	DDR4 SO-DIMM
form factor	SO-DIMM
Graphic onBoard	Intel® UHD Graphics 605
Audio	
Audio Chipset	Realtek ALC 671
sound mode	5.1-channel high definition
Rear interfaces	
USB3.0	2
USB2.0	1
DisplayPort	1
LAN (RJ-45)	2
RS-232/422/485	1

Article-No.: 136229

Calmo Panel-PC 21,5" IP69K stainless steel

J5005, 4GB RAM, 120GB SSD, VESA, IP69K, W10Pro

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 3.0	1
USB 2.0	1
USB 3.0 port	2
RS-232	2
advice	1x RS-232 and 1x RS-232/422/485
Trusted Platform Module (TPM)	yes
SATA3 (6Gb/s)	2

Communicating

Network Chipset	Intel
transmission rate	10/100/1000 Mbps
Network Chipset 2	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 PCIe® M.2 SATA (2242/2260/2280), 1x PCIe® M.2 WLAN (2230)
-----------------	--

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	20°C to 55°C
Operating Relative Humidity	0% to 90% (condensing)
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
-----------	----------

Article-No.: 136229

Calmo Panel-PC 21,5" IP69K stainless steel
J5005, 4GB RAM, 120GB SSD, VESA, IP69K, W10Pro

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