

Article-No.: 145792

Calmo ACTIVE L

i5-12400, 8GB RAM, 250GB NVMe

Semi-industrial and long-term office pc

The Calmo ACTIVE L combines the computing power and user-friendliness of a tower PC with long-term available industrial components. Whether for POS solutions, as a durable workstation computer or as an external controller, an industrial PC in the affordable dress of an office PC can show off its advantages.

Technical data

Processor

manufacturer	Intel®
marking	Core™ i5
type	12400
cpu socket	LGA1700
cores	6
Performance Cores	6
threads	12
clock rate	2,50 GHz
clock rate (Power Core)	4,40
max. clock frequency with Intel® Turbo Boost technology	4,40 GHz
L2 Cache	7500 KB
L3 Cache	18 MB
smartCache	18 MB
bit set	64 bit
max. TDP	65 Watt
max. TDP Turbo	117 Watt
processor graphic	Intel® UHD Graphics 730
Intel® Hyper-Threading Technology	yes
Intel® Virtualization Technology (VT-x)	yes

Main storage

size	8 GB
technology	DDR5 DIMM
form factor	SIMM
connector	288-pole
speed	4800 MHz

Hard disk

memory capacity	256 GB
type	M.2 2280
interface	M.2 PCIe® 3.0 x4 with max. 32 Gb/s (NVMe®)

Mainboard Industry

manufacturer	Kontron®
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Highlights

- Optimized fan-cooling
- Proven industrial components
- Space for PCIe plug-in cards
- Available until 2030

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marking	New List Value
form factor	ATX
socket	LGA1700
hint	CPUs of the 12th and 13th generation are supported up to a maximum of 125W TDP
chipset	Intel® R680E
working memory max.	4x DDR5 PC4800, max. 128 GB (optional ECC)
memory max. size	128 GB
memory Slots	4
memory Technology	DDR5-UDIMM
graphic onBoard	New List Value
max. resolution DisplayPort	7,680 x 4,320 pixels @60Hz (DisplayPort 1.4a)
network	
network chipset I	Intel® i219LM
transmission rate	10/100/1000 Mbps
network chipset II	Intel® i225LM
transmission rate	10/100/1000/2500 MBit/s
PXE support	yes
Wake on LAN (WOL) support	yes
iAMT	yes
Auto-Power-On function	yes
audio	
audio chipset	Tempo 92HD91B
sound mode	5.1-channel high definition
rear interfaces	
USB 3.2	6
USB 3.2 Typ C	1
DisplayPort	4
LAN (RJ-45)	3
audio	line-in, line-out, microphone
serial	1
expansion slots	1x PCIe® x16 5.0, 1x PCIe® x16 (at x4) 4.0, 1x PCIe® x8 (at x4) 4.0 "open slot", 1x PCIe® x8 (at x4) 3.0 "closed slot", 2x PCIe® x1 3.0 "open slot", 1x PCI, 2x M.2 NVMe Key-M 2230/2242/2280 incl. NVMe RAID, M.2 Key-E 2230
expansion slots	
PCI Express x16 5.0	1
PCI Express x16 (at x4)	1
PCI Express x8 (at x4)	2

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PCI Express x1	2
PCI	1
M.2 Key-M PCIe NVMe	2
M.2 Key-E WLAN	1
internal interfaces	
USB 3.2 Gen1 (5Gbit/s)	1
USB 2.0	1
USB 2.0 stick	1
USB 3.1 stick	1
serial	3
Trusted Platform Module (TPM)	yes (TPM 2.0)
GPIO	8-bit I/O
S/PDIF	yes
SATA3 (6Gb/s)	4
RAID SATA3 onBoard	0/1/5/10
24-hour continuous operation	yes
available until	2027
Power supply	
manufacturer	Fortron
form factor	ATX
type	intramural
power	350 Watt
24/7 suitable	yes
refrigeration	energetic
fan type	120 x 120 mm
input voltage range	100 - 240V AC V
current draw	6 - 3 A
certification	80 PLUS Gold
efficiency at 100% of rated power	89,19 %
efficiency at 50% of rated power	90,45 %
efficiency at 20% of rated power	88,41 %
efficiency at 10% of rated power	82,35 %
power switches	yes
molex Connector	1
floppy Connector	1
SATA Connector	4
4-pin connector	1
ATX24 Pole	1
width	150 mm

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hight	86 mm
depth	140 mm
heart rate	50 - 60 Hz
FCC	yes
TÜV	TÜV Rheinland
cRU	Yes
RoHS	yes
Service	
Service	2 years Bring-In
Housing PC	
manufacturer	exone
type	Midi Tower
form factor	ATX, Micro-ATX
front interface USB 3.2 Gen1 (5Gbit/s)	2
front interface USB 2.0	2
front interface audio	2
power switches	yes
drive bays 5.25" external	4
drive bays 3.5" external	2
drive bays 3.5" internal	2
number of expansion slots	7
number of front fans	1
front fan min. size	80 x 80 mm
front fan max. size	120 x 120 mm
number of fans	1
rear fan min. size	80 x 80 mm
return fan max. size	120 x 120 mm
particularity	Use of halogen-free plastics, incl. air filter and Easy-Touch power switch
installation option	mounting on both sides possible
safety	Kensington Lock, lockable
color	black/silver
dimensions (WxHxD)	202 x 438 x 495 mm
hint	Dimensions incl. feet and front panel
System	
Ambient conditions	
operating temperature	-10°C to 60°C Cold boot at -40°C tested several times, permanently stable at -10°C
atmospheric humidity	0% to 90% (non-condensing)

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Certifications

conformance	CE
grade	EXTRA Computer has a quality management system which is certified according to DIN ISO 9001

Service note