

Article-No.: 145150

Calmo ACTIVE FM

i5-12500, 8GB RAM, 250GB NVMe

Technical data

Processor

manufacturer	Intel®
marking	Core™ i5
type	New List Value
cpu socket	LGA1700
cores	6
Performance Cores	6
threads	12
clock rate	3,00 GHz
clock rate (Power Core)	4,60
max. clock frequency with Intel® Turbo Boost technology	4,60 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 770
Intel® Hyper-Threading Technology	yes
Intel® Virtualization Technology (VT-x)	yes
ECC memory support	yes

Main storage

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

Mainboard Industry

manufacturer	Kontron®
marking	K3841-Q
form factor	Micro ATX
socket	LGA1700
hint	CPUs of the 12th and 13th generation are supported up to a maximum of 125W TDP
chipset	Intel® Q670E
working memory max.	4x DDR5 PC4800, max. 128 GB
memory max. size	128 GB



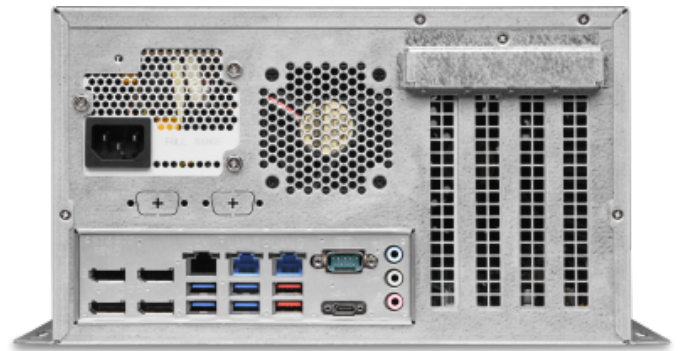
Highlights

Article-No.: 145150

Calmo ACTIVE FM

i5-12500, 8GB RAM, 250GB NVMe

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® x1 5.0 "open slot", 1x PCIe® x1 4.0 "closed slot", 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 x1	2
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



Article-No.: 145150

Calmo ACTIVE FM

i5-12500, 8GB RAM, 250GB NVMe

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
Housing Industry	
manufacturer	Calmo
type	Industrial PC
front interface USB 3.0	optionally available
power switches	yes
reset switch	no
front fan quantity	1
front fan size	92 x 92 mm
hint:	Fan optionally available
rear fan quantity	1
rear fan size	60 x 60 mm
hint	Fan optionally available
installation option	Wall mounting via housing rails possible
degree of protection	IP 30
dimensions (W x H x D)	270 x 158 x 270
dimensions (W x H x D) with mounting bracket	308 x 158 x 270 mm
Power supply	
manufacturer	Fortron
form factor	TFX
type	intramural
power	300 Watt
24/7 suitable	yes
refrigeration	energetic
fan type	80 x 80 mm
input voltage range	100 - 240V AC V
current draw	4 - 2 A
certification	80 PLUS Gold
efficiency at 100% of rated power	87,591 %
efficiency at 50% of rated power	90,969 %
efficiency at 20% of rated power	89,595 %
efficiency at 10% of	84,241 %

Article-No.: 145150

Calmo ACTIVE FM

i5-12500, 8GB RAM, 250GB NVMe

rated power	
power switches	no
molex Connector	2
floppy Connector	1
SATA Connector	3
4-pin connector	1
ATX24 Pole	1
width	85 mm
hight	65 mm
deept	175 mm
heart rate	50 - 60 Hz
FCC	yes
TÜV	TÜV Rheinland
cRU	Yes
Service	
Service	2 years Bring-In
KIOSK	
KIOSK	
KIOSK	BIOS will throttle CPU to 35W TDP (PL1&PL2)
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)
Certifications	
conformance	CE
grade	EXTRA Computer has a quality management system which is certified according to DIN ISO 9001
Service note	