

Article-No.: 146117

Calmo R1

19" 1 HE i5-12400, 8GB RAM, 250GB SSD

Powerful 1U IPC

Our Calmo R1 with active cooling offers you the maximum computing power on only 1U. The enclosure easily accommodates powerful CPUs, PCIe plug-in cards and up to two SSDs or HDDs. Thanks to the optimal ventilation, heat in the rack cabinet will not be a problem, and our extensive tests also confirm the durability of the system. Invest in powerful and reliable hardware with our Calmo R1 and make no compromises.

Technical data

Processor

manufacturer	Intel®
marking	Core™ i5
type	12400T
cpu socket	FCLGA1700
cores	6
Performance Cores	6
threads	12
clock rate	1,80 GHz
max. clock frequency with Intel® Turbo Boost technology	4,20 GHz
smartCache	18 MB
bit set	64 bit
max. TDP	35 Watt
max. TDP Turbo	74 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 SO-DIMM
form factor	SO-DIMM
connector	262-pole
speed	4800 MHz
tension	1,1 V

Hard disk

memory capacity	250 GB
type	SSD
frame size	2,5"
interface	SATA3 with 6 Gb/s

Mainboard Industry

manufacturer	Kontron®
marking	K3833-Q



Highlights

- 1U Chassis
- Performance focused
- Dual HDD/SSD with optional RAID
- Available until 2030



Article-No.: 146117

Calmo R1

19" 1 HE i5-12400, 8GB RAM, 250GB SSD

form factor	Mini ITX
socket	LGA1700
hint	CPU's of the 12th and 13th generation are supported up to a maximum of 65W TDP
chipset	Intel® Q670E
working memory max.	2x SO-DIMM DDR5 PC4800, max. 64 GB
memory max. size	64 GB
memory Slots	2
memory Technology	DDR5 SO-DIMM
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
audio	
audio chipset	Tempo 92HD91B
sound mode	5.1-channel high definition
rear interfaces	
USB 3.2	5
USB 3.2 Typ C	1
USB 2.0	2
DisplayPort	4
LAN (RJ-45)	2
audio	line-in, line-out
expansion slots	1x PCIe® x16 5.0, 1x M.2 M-Key 2242, 1x M.2 E-Key 2230
expansion slots	
PCI Express x16 5.0	1
M.2 Key-M PCIe NVMe	1
M.2 Key-E WLAN	1
internal interfaces	
USB 3.2 Gen1 (5Gbit/s)	1
serial	1
Trusted Platform Module (TPM)	integrated



Article-No.: 146117

Calmo R1

19" 1 HE i5-12400, 8GB RAM, 250GB SSD

GPIO	8-bit I/O
eDP Embedded Displayport	1
S/PDIF	yes
SATA3 (6Gb/s)	2
RAID SATA3 onBoard	0/1
24-hour continuous operation	yes
available until	2030

Housing Industry

manufacturer	Supermicro
type	1 HE
form factor	Mini ITX
power switches	yes
reset switch	yes
3.5" internal	2
front fan quantity	1
front fan size	Blower 97 x 33 mm
particularity	New List Value
degree of protection	IP 20
dimensions (W x H x D)	426 x 43 x 356 mm

Service

Service	2 years Bring-In
---------	------------------

System

Certifications

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

Service note