

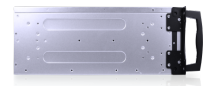
Article-No.: 145873

Calmo R4 19" Industrieserver

i5-12400, 16GB, 250GB SSD

Technical data

processor	New List Value
installed memory	16 GB DDR5 PC4800
hard disk	256 GB SSD 2.5" SATA3 at 6 Gb/s
optical drive	DVD-RW slimline
mainboard	Powered by Kontron® - Made in Germany
marking	New List Value
hint	CPUs of the 12th and 13th generation are supported up to a maximum of 125W TDP
working memory max.	4x DDR5 PC4800, max. 128 GB (optional ECC)
graphic onBoard	New List Value
max. resolution DisplayPort	7,680 x 4,320 pixels @60Hz (DisplayPort 1.4a)
PXE support	yes
Wake on LAN (WOL) support	yes
iAMT	yes
audio	Tempo 92HD91B 5.1-Kanal High Definition Audio
rear interfaces	2x USB 3.2 Gen2 (10Gbit/s), 1x USB 3.2 Gen2 (10Gbit/s) Typ-C™ 4x USB 3.2 Gen1 (5Gbit/s), 4x DisplayPort 1.4a, 3x LAN, RS-232, Audio
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
RAID NVMe onBoard	0/1
internal interfaces	USB 3.2 Gen1 (5Gbit/s), USB 2.0, 2x USB Stick, 3x seriell, PS2, TPM 2.0, 4x SATA3 (6Gb/s), Chassis Intrusion-Header, GPIO, S-PDIF
RAID SATA3 onBoard	0/1/5/10
24-hour continuous operation	yes
chassis	CHENBRO® 4HE RM42300
front interfaces	2x USB 3.0, power button, reset button
external drive bays	3x 5.25", 1x 3.5"
internal drive bays	4x 3,5"
particularity	incl. card holder, rubber-mounted drive basket, front filter
safety	lockable 2-door front flap, intrusion switch
degree of protection	IP 20
color	black/silver
dimensions (W x H x D)	430 x 176 x 445 mm
power supply	Fortron® 350 Watt, 80 PLUS Gold certified, super-silent, 120 mm power supply fan 7x24h
24/7 suitable	yes
Service	2 years Bring-In



Highlights

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slot bracket extension	1x serial (slot bracket with 9pin serial plug)
interface	internal 2mm COM
Langzeitverfügbarkeit	2030
operating temperature	-10°C to 50°C Cold boot at -40°C tested several times, permanently stable at -10°C
atmospheric humidity	0% to 90% (non-condensing)
conformance	CE
grade	EXTRA Computer has a quality management system which is certified according to DIN ISO 9001

