

Article-No.: 122688

Calmo M G9

i3-9100, 4GB, 120GB SSD

Der zuverlässige Begleiter für anspruchsvolle Industrieanwendungen

Reliable and fail-safe hardware in the professional environment is trumps. Therefore, for demanding applications and control systems, rely on the Calmo M. With its sophisticated housing and Kontron industrial mainboards, it is the first choice for customers who need a reliable PC for continuous operation in production environments. The easily accessible SSDs and the tool-free service option industrial hardware at the highest level - developed and manufactured in Germany.

Technical data

processor	Intel® Core™ i3-9100 (4x 3,60 GHz up to 4,20 GHz with Intel® Turbo-Boost-technology, UHD 630, 6M SmartCache)
installed memory	4 GB DDR4
hard disk	120 GB SSD M.2 PCIe® NVMe®
mainboard	Powered by Kontron® - Made in Germany
marking	D3633-S
hint	supports 8th and 9th generaion CPUs
working memory max.	2x SO-DIMM DDR4 PC2400/2666, max. 32 GB (supports dual channel memory architecture)
graphic onBoard	Intel® UHD Graphics, DirectX12 support (with appropriate CPU)
max. resolution DisplayPort	3,840 x 2,160 pixels @60 Hz
PXE support	yes
Wake on LAN (WOL) support	yes
audio	Realtek ALC 671 5.1-Channel High Definition Audio
rear interfaces	2x USB 3.1, 2x USB 3.0, 4x USB 2.0, 2x PS/2, DVI-D, 2x DisplayPort, 2x LAN, Audio, 1x serial
expansion slots	1x PCIe® x16 3.0, 1x miniPCIe® (half-size/full-size), 1x PCIe® M.2-SATA (2242, NVMe®)
internal interfaces	1x USB 3.0, 1x USB 2.0, 1x USB 3.1 Stick, 1x serial, TPM, S/PDIF, 4x SATA3 (6Gb/s), GPIO, 1x LVDS, 1x Backlight Inverter
RAID SATA3 onBoard	0/1/5/10
24-hour continuous operation	yes
chassis	exone® fanless Calmo M
internal drive bays	2x 2,5"
fanless	yes
degree of protection	IP 50
color	silver
dimensions with feet (W x H x D)	260 x 93 x 237 mm
dimensions without feet (W x H x D)	260 x 87 x 237 mm
power supply	84 Watt, external input: 100-240V AC Output: 12V DC / 7A
24/7 suitable	yes
Suitable for	Calmo S, M, UNI Pro, UNI Ryzen



Highlights

- Tool-free maintenance
- Fanless and rugged
- Developed and manufactured in Germany
- Available until 2025



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current supply	IEC14 connector (10A)
Service	2 years Bring-In
KIOSK	BIOS will throttle CPU to 25W TDP
slot bracket extension	1x serial (slot bracket with 9pin serial plug)
interface	internal 2mm COM
Langzeitverfügbarkeit	2025
noise emission	0 dB(A)
operating temperature	5°C to 55°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

