

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

<b>processor</b>	Intel® Core™ i3-9100 (4x 3,60 GHz up to 4,20 GHz with Intel® Turbo-Boost-technology, UHD 630, 6M SmartCache)
<b>installed memory</b>	4 GB DDR4
<b>hard disk</b>	120 GB SSD M.2 PCIe® NVMe®
<b>mainboard</b>	Powered by Kontron® - Made in Germany
<b>marking</b>	D3633-S
<b>hint</b>	supports 8th and 9th generaion CPUs
<b>working memory max.</b>	2x SO-DIMM DDR4 PC2400/2666, max. 32 GB (supports dual channel memory architechre)
<b>graphic onBoard</b>	Intel® UHD Graphics, DirectX12 support (with appropriate CPU)
<b>max. resolution DisplayPort</b>	3,840 x 2,160 pixels @60 Hz
<b>PXE support</b>	yes
<b>Wake on LAN (WOL) support</b>	yes
<b>audio</b>	Realtek ALC 671 5.1-Channel High Definition Audio
<b>rear interfaces</b>	2x USB 3.1, 2x USB 3.0, 4x USB 2.0, 2x PS/2, DVI-D, 2x DisplayPort, 2x LAN, Audio, 1x serial
<b>expansion slots</b>	1x PCIe® x16 3.0, 1x miniPCIe® (half-size/full-size), 1x PCIe® M.2-SATA (2242, NVMe®)
<b>internal interfaces</b>	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
<b>RAID SATA3 onBoard</b>	0/1/5/10
<b>24-hour continuous operation</b>	yes
<b>chassis</b>	exone® fanless Calmo M
<b>internal drive bays</b>	2x 2,5"
<b>fanless</b>	yes
<b>degree of protection</b>	IP 50
<b>color</b>	silver
<b>dimensions with feet (W x H x D)</b>	260 x 93 x 237 mm
<b>dimensions without feet (W x H x D)</b>	260 x 87 x 237 mm
<b>power supply</b>	84 Watt, external input: 100-240V AC Output: 12V DC / 7A
<b>24/7 suitable</b>	yes
<b>Suitable for</b>	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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<b>current supply</b>	IEC14 connector (10A)
<b>Service</b>	2 years Bring-In
<b>KIOSK</b>	BIOS will throttle CPU to 25W TDP
<b>slot bracket extension</b>	1x serial (slot bracket with 9pin serial plug)
<b>interface</b>	internal 2mm COM
<b>Langzeitverfügbarkeit</b>	2025
<b>noise emission</b>	0 dB(A)
<b>operating temperature</b>	5°C to 55°C
<b>atmospheric humidity</b>	0% to 90% (non-condensing)
<b>conformance</b>	CE
<b>grade</b>	EXTRA Computer has a quality management system which is certified according to DIN ISO 9001

