

Article-No.: 143332

## Calmo TINY Ryzen

AMD R1102G 4GB RAM, 250GB NVMe

small IPC with capable graphics

The Calmo TINY Ryzen has the same form factor and energy-saving approach as the Calmo TINY Entry, but the AMD Ryzen embedded CPUs are capable of running up to three 4K displays at the same time instead of two, although the device is fanless and thus absolutely silent in continuous operation. Especially for displaying information in production and logistics as well as a digital signage client, the Calmo TINY Ryzen plays to its strengths.

### Technical data

installed memory	4 GB DDR4
hard disk	250 GB SSD M.2 PCIe®x4 NVMe®
mainboard	Powered by Kontron® - Made in Germany
marking	D3714-R1
CPU onBoard	AMD Ryzen Embedded R1102G (2x 1,20 GHz up to 2,60 GHz)
working memory max.	2x DDR4 PC2400, max 32 GB (ECC + Non-ECC)
graphic onBoard	AMD Radeon™ VEGA
max. resolution HDMI	3,840 x 2,160 pixels @60 Hz
max. resolution DisplayPort	3,840 x 2,160 pixels @60 Hz
PXE support	yes
Wake on LAN (WOL) support	yes
audio	Realtek ALC 256 High Definition Audio
interfaces in front	New List Value
rear interfaces	New List Value
expansion slots	1x M.2 M-key 2230/2242/2280, 1x M.2 E-key 2230
internal interfaces	2x USB 2.0, 1x RS-232, 1x RS-232/422/485, SATA3 (6Gb/s), SATA-Power, LVDS, GPIO, Backlight Inverter, eDP
24-hour continuous operation	yes
chassis	Calmo Tiny Ryzen
front interfaces	1x USB 3.1 Type-C™, 1x USB 3.1, Audio
fanless	yes
particularity	ultra-compact metal housing incl. stand and VESA option
VESA	New List Value
safety	Kensington Lock
degree of protection	IP 20
color	black
dimensions (W x H x D)	147 x 36 x 165 mm
power supply	65 watt, external input: 110-240V AC /output: 19V DC
Suitable for	UNI Entry, Tiny Entry, Tiny Ryzen, Tab K11, K11B
current supply	IEC6 three-pin connector
Service	2 years Bring-In



### Highlights

- Radeon VEGA Graphics
- USB-Type C
- No moving parts
- Available until 2027



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	Extension on request
service note	Available until 2023
slot bracket extension	1x serial (slot bracket with 9pin serial plug)
interface	internal 2mm COM
Langzeitverfügbarkeit	2027
cooling	unfavourable
noise emission	0 dB(A)
operating temperature	-10°C to 60°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

