

Article-No.: 138129

Calmo UNI Ryzen

AMD R1102G 4GB RAM, 120GB SSD, passiv

IPC with variety of interfaces and professional graphics

Calmo UNI Ryzen shares the design of its cabinet-optimized housing with the other products in the UNI family. It also has almost all interfaces on one side, a CPU that is passively or actively cooled depending on the application, optional VESA, wall and DIN rail mounts as well as a DC wide range input. It joins the class of low-power IPCs, but with superior graphics performance on four simultaneously addressable display ports. Calmo UNI Ryzen meets all the necessary requirements for digital signage, machine data collection, gambling or as a workstation in harsh environments.

Technical data

Main storage

size	4 GB
technology	DDR4 SO-DIMM
form factor	SO-DIMM
connector	260-pole
speed	2666 MHz

Mainboard Industry

manufacturer	Kontron®
marking	D3713-R1
form factor	Mini-ITX
socket	CPU vibration resistant soldered

CPU onBoard	AMD Ryzen Embedded R1102G (2x 1,20 GHz up to 2,60 GHz)
chipset	SoC
working memory max.	1x SO-DIMM DDR4 PC2400, max 32 GB (ECC + Non-ECC)
memory max. size	32 GB
memory Slots	1
memory Technology	DDR4 SO-DIMM
graphic onBoard	AMD Radeon™ VEGA
max. resolution DisplayPort	4,096 x 2,304 pixels @60Hz (DisplayPort 1.4)

network

network chipset I	Intel® i210
transmission rate	10/100/1000 Mbps
network chipset II	Realtek RTL8111H
transmission rate	10/100/1000 Mbps
PXE support	yes
Wake on LAN (WOL) support	yes
Auto-Power-On function	yes

audio

audio chipset	Realtek ALC 256
sound mode	5.1-channel high definition



Highlights

- Optimized for operation on DIN-Rails
- Radeon VEGA Grafik
- LowProfile PCIe slot
- Available until 2027



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rear interfaces

USB 3.1	4
DisplayPort	2
LAN (RJ-45)	2
audio	line-in, line-out
serial	2
DC-IN	1
expansion slots	1x PCIe® x4 3.0, 1x M.2 M-Key 2230\2242\2280, 1x M.2 B-Key 3042/3052/2260/2280, 1x MiniPCIe® (fullsize/halfsize)

expansion slots

PCI Express x4 3.0	1
mini PCI Express (half-size/full-size with mSATA)	1
M.2 Key-B SATA	1

internal interfaces

USB 3.2 Gen1 (5Gbit/s)	1
USB 2.0	2
USB 2.0 stick	1
RS-232	1
RS-232/422/485	1
Trusted Platform Module (TPM)	yes
GPIO	8-bit I/O
LVDS	yes
backlight inverter	yes
SATA3 (6Gb/s)	2
SATA Power out	1
operating voltage I	8 - 36V DC
current consumption	10 A
24-hour continuous operation	yes
available until	2027

Housing Industry

manufacturer	Kontron®
type	Mini ITX
form factor	Mini ITX
front interface USB 3.0	2
power switches	yes
2.5" internal	1
rear fan quantity	1
rear fan size	40 x 40 mm

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hint	Fan included in delivery
particularity	suitable for continuous operation
installation option	feet, wall mounting
can be used vertically	yes
horizontally applicable	yes
19" Convertible	no
safety	Kensington Lock
degree of protection	IP 20
color	black
dimensions (W x H x D)	250 x 52 x 191 mm

Power supply

manufacturer	Fortron
form factor	outboard
type	External industry
power	84 Watt
24/7 suitable	yes
refrigeration	unfavourable
particularity	with pull-off-proof screw plug
Suitable for	Calmo S, M, UNI Pro, UNI Ryzen
input voltage range	90 - 264V AC V
certification	80 PLUS Bronze
efficiency level	VI
output voltage	12 V
output voltage Ampere	7 A
polarization	DC
hollow plug Outer diameter	5,5 mm
hollow plug Depth	12 mm
plug for external power supply unit	Hollow plug 5,5 mm x 2,5 mm x 12 mm
hollow plug inner diameter	2,5 mm
hollow plug Polarity	Plus inside
hollow plug angle	180°
current supply	IEC14 connector (10A)
operating temperature range	0°C to 70°C
storage temperature range	20°C to 80°C
width	108 mm
hight	30 mm
depth	49,2 mm
CCC	yes
TÜV	TÜV GS

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Service

Service	2 years Bring-In
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System

Ambient conditions

noise emission	0 dB(A)
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operating temperature	-10°C to 55°C
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atmospheric humidity	0% to 90% (condensing)
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Certifications

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