

Article-No.: 117559

## Calmo UNI Entry G9

J4005, 4GB, 120GB SSD

Efficient IPC with variety of interfaces

The Calmo UNI Entry is predestined for demanding control processes, automation applications or digital signage. With its low-maintenance electronics and Intel Embedded CPU, it is ideally equipped for use in control cabinets or behind complex display solutions. In addition to optional WiFi, the Calmo UNI Entry offers space for a low profile plug-in card, the housing can either be placed vertically or horizontally, mounted on the wall or employed on all common mounts using the optional adaptor. Lots of flexibility in a small space - Just use the Calmo UNI Entry.

### Technical data

#### Main storage

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

#### Hard disk

memory capacity	120 GB
type	M.2 2242
interface	M.2 SATA with 6 Gb/s

#### Mainboard Industry

manufacturer	Kontron®
marking	D3543-S1
form factor	Mini-ITX
socket	CPU vibration resistant soldered

#### CPU onBoard

chipset	Intel® Celeron® J4005 Processor (2x 2.00 GHz up to 2.70 GHz with Intel® Burst Frequency Technology, 4M Cache)
working memory max.	2x SO-DIMM DDR4 PC2400, max. 16 GB
memory max. size	16 GB
memory Slots	2
memory Technology	DDR4-SDRAM
graphic onBoard	Intel® UHD Graphics 600
max. resolution DisplayPort	4,096 x 2,160 pixels @60Hz (DisplayPort 1.2)

#### network

network chipset I	Intel® i210
transmission rate	10/100/1000 Mbps
network chipset II	Realtek RTL8111G
transmission rate	10/100/1000 Mbps
PXE support	yes
Wake on LAN (WOL) support	yes



### Highlights

- Optimized for operation on DIN-Rails
- Passive cooling
- LowProfile PCIe slot
- Available until 2024



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### audio

<b>audio chipset</b>	Realtek ALC 671
<b>sound mode</b>	5.1-channel high definition

### rear interfaces

<b>USB 3.0</b>	2
<b>USB 2.0</b>	2
<b>PS/2</b>	2
<b>DisplayPort</b>	2
<b>LAN (RJ-45)</b>	2
<b>audio</b>	line-in, line-out
<b>serial</b>	2
<b>DC-IN</b>	1

<b>expansion slots</b>	1x PCIe® x4, 1x miniPCIe® (half-size/full-size), 1x PCIe® M.2-SATA (2242/2260/2280), 1x PCIe® M.2-WLAN (2230)
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### expansion slots

<b>PCI Express x4 3.0</b>	1
<b>M.2 Key-B SATA</b>	1
<b>M.2 Key-E WLAN</b>	1

### internal interfaces

<b>USB 3.0</b>	1
<b>USB 2.0</b>	2
<b>USB 2.0 stick</b>	1
<b>parallel</b>	1
<b>GPIO</b>	8-bit I/O
<b>LVDS</b>	yes
<b>S/PDIF</b>	yes
<b>SATA3 (6Gb/s)</b>	2
<b>operating voltage I</b>	8 - 36V DC
<b>24-hour continuous operation</b>	yes

### Power supply

<b>manufacturer</b>	MeanWell
<b>form factor</b>	outboard
<b>type</b>	table power pack
<b>power</b>	90 Watt
<b>refrigeration</b>	unfavourable
<b>Suitable for</b>	Calmo XS, Tiny Pro, Panel ThinClient
<b>input voltage range</b>	90 - 264V AC V
<b>current draw</b>	1,3 A
<b>efficiency level</b>	VI
<b>output voltage</b>	19 V
<b>output voltage</b>	4,74 A



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<b>Ampere</b>	
<b>polarization</b>	DC
<b>hollow plug Outer diameter</b>	5,5 mm
<b>hollow plug Depth</b>	9,5 mm
<b>plug for external power supply unit</b>	Hollow plug 5,5mm x 2,5mm x 9,5mm
<b>hollow plug inner diameter</b>	2,5 mm
<b>hollow plug Polarity</b>	Plus inside
<b>hollow plug angle</b>	90°
<b>current supply</b>	IEC14 connector (10A)
<b>operating temperature range</b>	-30°C to 70°C
<b>storage temperature range</b>	-40°C to 85°C
<b>operating Humidity</b>	20% to 90% (non-condensing)
<b>humidity (storage)</b>	10% to 95% (non-condensing)
<b>width</b>	60 mm
<b>hight</b>	32 mm
<b>deepth</b>	145 mm
<b>heart rate</b>	47 - 63 Hz
<b>CCC</b>	yes
<b>FCC</b>	yes
<b>cUL</b>	yes
<b>TÜV</b>	TÜV Rheinland
<b>GS</b>	Yes
<b>RoHS</b>	yes
<b>EAC</b>	ja
<b>Service</b>	
<b>Service</b>	2 years Bring-In
<b>System</b>	
<b>Energy measuring</b>	
<b>Consumption in idle mode (S0)</b>	8,12 Watt
<b>Consumption in standby (S3)</b>	2,32 Watt
<b>Soft-Off consumption (S5)</b>	2,17 Watt
<b>TEC</b>	47,01 kWh
<b>Ambient conditions</b>	
<b>noise emission</b>	approx. 25 dB(A)
<b>operating temperature</b>	0°C to 55°C
<b>atmospheric humidity</b>	0% to 90% (non-condensing)

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### Certifications

<b>conformance</b>	CE
<b>grade</b>	EXTRA Computer has a quality management system which is certified according to DIN ISO 9001

### Service note