

Article-No.: 119559

Calmo UNI Pro G9

i3-9100T, 4GB RAM, 120GB SSD

High performance IPC with variety of interfaces

With Calmo UNI Pro you choose a system for demanding applications and uncompromising continuous operation. Predestined for digital signage, point of sales, control technology or office operation in demanding environments, the Calmo UNI Pro impresses with its compact design and can be used under full load even in the extended temperature range. With an optional PCIe x16 plug-in card, either up to seven displays or additional LAN, COM, ProfiNET or CANbus interfaces can be controlled.

Technical data

Processor

manufacturer	Intel®
marking	Core™ i3
type	9100T
cpu socket	LGA1151
cores	4
threads	4
clock rate	3,10 GHz
max. clock frequency with Intel® Turbo Boost technology	3,70 GHz
smartCache	6 MB
bit set	64 bit
max. TDP	35 Watt
processor graphic	Intel® UHD Graphics 630
Intel® Virtualization Technology (VT-x)	yes
ECC memory support	yes

Main storage

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

Hard disk

memory capacity	128 GB
type	SSD
frame size	2,5"
interface	SATA3 with 6 Gb/s

Mainboard Industry

manufacturer	Kontron®
marking	D3633-S
form factor	Mini-ITX
socket	LGA1151
hint	supports 8th and 9th generaion CPUs



Highlights

- Optimized for operation on DIN-Rails
- Active cooling
- LowProfile PCIe slot
- Available until 2025



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chipset	Intel® Q370
working memory max.	2x SO-DIMM DDR4 PC2400/2666, max. 32 GB (supports dual channel memory architecture)
memory max. size	32 GB
memory Slots	2
memory Technology	DDR4-SDRAM
graphic onBoard	Intel® UHD Graphics, DirectX12 support (with appropriate CPU)
max. resolution DisplayPort	3,840 x 2,160 pixels @60 Hz
network	
network chipset I	Intel® i219LM
transmission rate	10/100/1000 Mbps
network chipset II	Intel® i210AT
transmission rate	10/100/1000 Mbps
PXE support	yes
Wake on LAN (WOL) support	yes
audio	
audio chipset	Realtek ALC 671
sound mode	5.1-channel high definition
rear interfaces	
USB 3.1	2
USB 3.0	2
USB 2.0	4
PS/2	2
DVI-D	1
DisplayPort	2
LAN (RJ-45)	2
audio	line-in, line-out
serial	1
expansion slots	1x PCIe® x16 3.0, 1x miniPCIe® (half-size/full-size), 1x PCIe® M.2-SATA (2242, NVMe®)
expansion slots	
PCI Express x16 3.0	1
M.2 Key-B SATA	1
internal interfaces	
USB 3.0	1
USB 2.0	1
USB 3.1 stick	1
RS-232/422/485	1
Trusted Platform Module (TPM)	yes
GPIO	8-bit I/O



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LVDS	yes
backlight inverter	yes
S/PDIF	yes
SATA3 (6Gb/s)	4
RAID SATA3 onBoard	0/1/5/10
24-hour continuous operation	yes
Housing Industry	
form factor	Mini ITX
front interface USB 3.0	2
power switches	yes
2.5" internal	1
can be used vertically	yes
horizontally applicable	yes
degree of protection	IP 20
color	grey
dimensions (W x H x D)	250 x 52 x 193 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	0°C to 70°C

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temperature range	
storage temperature range	20°C to 80°C
width	108 mm
hight	30 mm
depth	49,2 mm
CCC	yes
TÜV	TÜV GS
Service	
Service	2 years Bring-In
System	
Energy measuring	
Consumption in idle mode (S0)	10,69 Watt
Consumption with 30% utilization (S0)	19,07 Watt
Consumption in standby (S3)	1,22 Watt
Soft-Off consumption (S5)	0,88 Watt
Consumption with 100% utilization (S0)	32,68 Watt
TEC	48,82 kWh
Ambient conditions	
operating temperature	5°C to 55°C
atmospheric humidity	0% to 90% (non-condensing)
Certifications	
conformance	CE
grade	EXTRA Computer has a quality management system which is certified according to DIN ISO 9001
Service note	