

Article-No.: 113748

Calmo TINY Entry

Celeron J4005, 4GB, 60GB SSD

small. smaller. TINY.

The Calmo TINY Entry is above all compact, economical and versatile. The selectable Celeron or Pentium CPU as well as the internal power management and passive cooling make the device highly efficient and especially suitable for digital signage and IoT Useases, for industrial thinclient computing or as an end device at the point of sales. A small but scalable industrial system at the highest level!

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	60 GB
type	M.2 2242
interface	SATA3 with 6 Gb/s

Mainboard Industry

manufacturer	Kontron®
marking	D3544-S1
form factor	Mini-STX
socket	CPU vibration resistant soldered

CPU onBoard

chipset	SoC
working memory max.	1x SO-DIMM DDR4 PC2400, max. 16 GB
memory max. size	16 GB
memory Slots	1
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
Auto-Power-On function	yes



Highlights

- Dual UHD via DisplayPort
- Widetemp tested
- Widerange DC-In
- Available until 2024



Article-No.: 113748

Calmo TINY Entry

Celeron J4005, 4GB, 60GB SSD

audio

audio chipset	Realtek ALC 671
sound mode	5.1-channel high definition

rear interfaces

USB 2.0	4
DisplayPort	2
LAN (RJ-45)	2
DC-IN	1

expansion slots	1x PCIe® M.2 SATA (2242/2260/2280), 1x PCIe® M.2 WLAN (2230)
-----------------	--

expansion slots

M.2 Key-B SATA	1
M.2 Key-E WLAN	1

internal interfaces

USB 3.2 Gen1 (5Gbit/s)	1
USB 2.0	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
operating voltage I	8 - 24V DC
24-hour continuous operation	yes
available until	Q4 2021

Housing Industry

manufacturer	Kontron®
type	Mini PC
form factor	Mini-STX
Front interface USB 3.2 Gen1 (5Gbit/s)	2
front interface Audio	2
power switches	yes
particularity	ultra-compact metal housing incl. stand
installation option	feet, wall mounting
VESA	required VESA kit not included, optionally available as accessory (VESA 100 x 100 mm)
can be used vertically	yes
horizontally applicable	yes



Article-No.: 113748

Calmo TINY Entry

Celeron J4005, 4GB, 60GB SSD

safety	Kensington Lock
color	black
dimensions (W x H x D)	147 x 36 x 165 mm
Power supply	
manufacturer	Fortron
form factor	outboard
type	outboard
power	65 Watt
refrigeration	unfavourable
Suitable for	UNI Entry, Tiny Entry, Tiny Ryzen, Tab K11, K11B
input voltage range	110 - 240V AC V
current draw	1,5 A
efficiency level	VI
output voltage	19 V
output voltage Ampere	3,42 A
hollow plug Outer diameter	5,5 mm
hollow plug Depth	11 mm
hollow plug inner diameter	2,5 mm
plug for external power supply unit	Hollow plug 5,5mm x 2,5mm x 11mm
hollow plug Polarity	Plus inside
hollow plug angle	90°
current supply	IEC6 three-pin connector
power switches	no
operating temperature range	0°C to 70°C
storage temperature range	20°C to 80°C
operating Humidity	20% to 80% (non-condensing)
humidity (storage)	10% to 90% (non-condensing)
width	47 mm
hight	30 mm
deepth	110 mm
heart rate	50 - 60 Hz
Certifications External power supply unit	VI
CCC	yes
cUL	yes
TÜV	TÜV Rheinland
GS	Yes
RoHS	yes
EAC	ja

Article-No.: 113748

Calmo TINY Entry

Celeron J4005, 4GB, 60GB SSD

Service

Service	2 years Bring-In Extension on request
service note	Available until 2023

Mainboard Accessories

Slot bracket extension

slot bracket extension	1x serial (slot bracket with 9pin serial plug)
interface	internal 2mm COM

System

cooling	unfavourable
---------	--------------

Ambient conditions

noise emission	0 dB(A)
operating temperature	-30°C to 70°C

Certifications

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

Service note