

Magnius®-M7S - 9. Gen.

Compact high performance industrial PC for wall mounting

Features

- ↗ *High performance thanks to 9th generation Intel® CPUs*
- ↗ *Horizontal or vertical mounting possible*
- ↗ *Drive cage optionally rotatable by 90°*
- ↗ *Robust full-industrial components for 24/7 operation*
- ↗ *Expandable with 6 slots and InoNet QuickTray®*

Configuration example

Further configurations on request!

Mainboard:

Industrial Mainboard (ATX), 24/7 operation, long-term availability, Watchdog timer, TPM

Processor:

Intel® Core™ i 9th Generation
Chipset: Intel® H310
Up to 95 Watt TDP

Memory:

2x DIMM, max. 64 GB
DDR4 2666/2400/2133 MHz

I/O:

Back
2x GBit LAN (RJ45)
2x USB 3.2 (Gen 1)
4x USB 2.0
1x VGA, 1x HDMI, 1x DP (max. 2 usable at the same time)
1x RS-232/422/485
1x Audio (Line-Out, Line-In, Mic)

Internal

2x USB 3.2 (Gen 1)
1x USB 2.0 (USB-A)
5x RS-232
3x SATA III with 6 Gb/s
1x 8-bit Digital I/O

Drive Bays:

Internal

2x 2.5"

External

3x 5.25"

Optional QuickTray®

Up to 14 GB/s* and 120 TB* with 4x NVMe-SSDs, uses 2x 5.25"

Power Supply:

400 Watt PS2, 80+
90 ~ 264 VAC full range

Expansions:

1x PCIe x16 (Gen 3)
2x PCIe x4 (Gen 2)
3x PCI
full height
1x M.2 (M-key)

Mechanical:

Chassis

Industrial housing made of 1mm heavy duty steel plate
Horizontal or vertical mounting

Dimensions (W x H x D)

330 x 196 x 410 mm

Cooling

active, 120mm fan

Graphic:

Integrated in CPU
max. 4096 x 2304 @ 60 Hz

Operating System:

Microsoft Windows 10

Environment:

Operating Temperature
0° ~ 55° C**

Storage Temperature

-20° ~ 70° C

Relative Humidity

10 ~ 90 % (non condensing)

IP Protection

IP20

Compliance:

CE (93/68/EWG)

EMV (2014/30/EU)

Low voltage safety (2014/35/EU)

* Depending on SSD type and manufacturer, real measured with Iometer (continuous write mode)
** In full expansion at full load (24/7): 0° ~ 40° C



Magnius®-M7S - 9. Gen. Additional illustrations

Horizontal or vertical
mounting possible



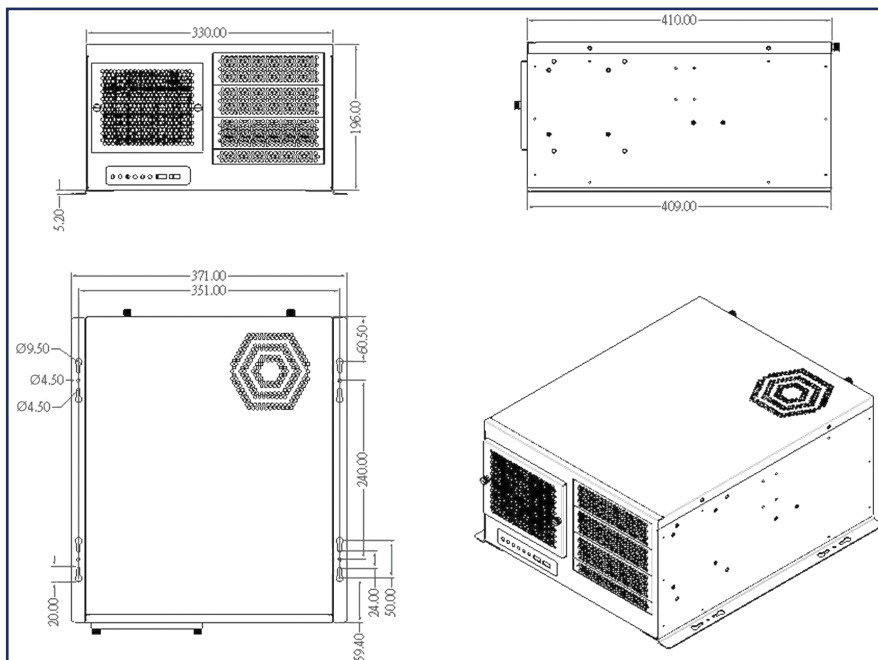
Drive cage rotatable by
90° (optional)



Mounting rails



Rear view (fig. similar)



Technical drawing



InoNet QuickTray® up to 14 GB/s*
and 120 TB* with 4x NVMe-SSDs

* Depending on SSD type and manufacturer, real
measured with Iometer (continuous write mode)

InoNet Competences and Services



Consulting



Development



Testing



Customization



Manufacturing



Certifications

InoNet Computer GmbH
Wettersteinstraße 18
82024 Taufkirchen, Germany
www.inonet.com