

## Mayflower®-Q5aW-SP6

Compact high performance industrial PC for smart data processing in vehicles, including QuickTray® v3

### Features

- *High-Performance with AMD® EPYC™ 8004 series CPUs*
- *Liquid cooling for the CPU and add-on cards*
- *Expandable to up to 20 LAN ports via 4 PCIe slots*
- *Less power consumption than a standard car HPC*
- *Horizontal or vertical mounting possible*
- *Full-industrial components for 24/7 operation*

### Configuration example

Further configurations on request!

#### Mainboard:

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

#### Processor:

AMD® EPYC™ 8004 series  
Socket SP6  
Liquid cooled

#### Memory:

8x DDR5 RDIMM, max. 768 GB

#### Graphic:

Onboard AST2600, 512 MB DDR4

#### I/O:

**Back**  
2x 10 GBit LAN (RJ45)  
2x 1 GBit LAN (RJ45)  
1x dedicated IPMI (RJ45)  
2x USB 3.2 (Gen 1)  
1x VGA  
1x UID button  
**Back (optional)**  
4x 10 GBit LAN (RJ45) via PCIe card  
4x 25 GBit LAN (RJ45) via PCIe card  
**Front**  
2x USB 3.2 (Gen 1)

#### Features:

Watchdog Timer  
TPM support

#### Operating System:

Microsoft® Windows® Server, Linux®

#### Power Supply:

9 ~ 18 VDC, 500/550 Watt, PS2  
AC power supply optional

#### Drive Bays:

**Internal**  
2x M.2 (M-key, type: 22110/2280)  
2x 2.5"  
**External**  
3x 5.25"  
(2 of them used by QuickTray®-v3)  
**QuickTray®-v3**  
up to 26 GB/s\* and 240 TB\*  
with 4x NVMe SSDs  
via RAID controller (PCIe x16)

#### Expansions:

4x PCIe x16 (Gen 5)  
(1x used by RAID controller)  
1x PCIe x8 (Gen 5)  
full height

#### Mechanical:

**Chassis**  
Industrial case made of 1 mm heavy duty steel plate  
Horizontal or vertical mounting  
**Dimensions (W x H x D)**  
330 x 196 x 410 mm  
**Cooling**  
Hybrid cooling system with 120 mm fan and liquid cooling for CPU and add-on cards

#### Environment:

**Operating Temperature**  
0° ~ 50° C\*\*  
**Storage Temperature**  
-20° ~ 70° C  
**Relative Humidity**  
10 ~ 90 % (non condensing)  
**IP Protection**  
IP20

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

\*\* In full expansion at full load (24/7): 0° ~ 40° C



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## Additional illustrations



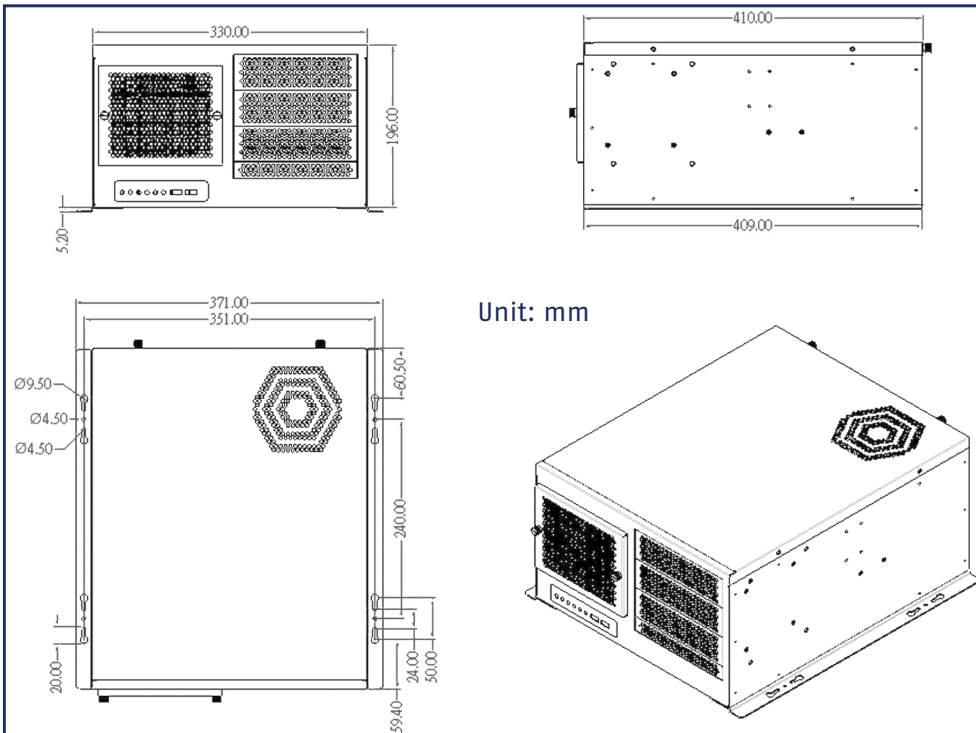
Horizontal or vertical mounting possible



Rear view  
(with optional LAN cards and mounting rails)



Mounting rails



Technische Zeichnung  
(without built-in QuickTray®-v3)

### InoNet Competences and Services



Consulting



Development



Testing



Customization



Manufacturing



Certifications

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