

## Mayflower®-Q12W-SP5

Liquid cooled, high-performance server for AI/GPU applications with up to 12 PCIe slots

### Features

- AI support thanks to multi-GPU support and high-performance CPU
- Liquid cooling for CPU and GPU/tensor/network cards
- Ideal for industrial image and video processing with AI support
- Up to 12 PCIe slots of the 5<sup>th</sup> generation
- Robust full industrial components for 24/7 operation



### Configuration example

Further configurations on request!

#### Mainboard:

Industrial Mainboard (SSI CEB)  
24/7 operation, long-term available

#### Processor:

AMD® EPYC™ 9004/9005/97x4  
Socket SP5  
Liquid cooled

#### Memory:

8x DDR5 DIMM, max. 4800 MHz  
RDIMM, max. 4 TB

#### AI Support:

Multi-GPU support  
Liquid cooled, PCIe x8/x16

#### Graphic:

OnBoard AST2600, 512 MB DDR4  
Optional  
NVIDIA® T600, 4 GB GDDR6, 4x mDP

#### I/O:

Back  
2x 1 GBit LAN (RJ45)  
2x 10 GBit LAN (RJ45)  
4x 10 GBit LAN (RJ45) optional  
1x Dedicated IPMI LAN (RJ45)  
2x USB 3.2 (Gen 1)  
1x VGA  
1x UID button with LED

#### Drive Bays:

Internal  
1x M.2 (M-key, type: 2280)  
1x M.2 (M-key, type: 22110/2280)  
External  
2x 5.25"

#### Power Supply:

90 ~ 264 VAC, 1200 Watt, 80 Plus  
On request: Redundant power supplies for AC and DC

#### Expansions:

4x PCIe x16 (Gen 5)  
2x PCIe x8 (Gen 5)  
full height  
Extension  
6x PCIe (Gen 5) slots with 40 lanes  
Can be divided into PCIe x16 and PCIe x8 as required

#### Mechanical:

Chassis  
19 Zoll 4HE Rackmount-Chassis  
Dimensions chassis (W x H x D)  
430 x 177 x 401 mm  
Dimensions extension (W x H x D)  
430 x 115 x 401 mm  
Cooling  
Hybrid cooling system with 2x 120 mm fans and liquid cooling for CPU and up to 5 PCIe cards  
Remote radiator with 2x 120 mm fans  
On request: Without liquid cooling, fully air-cooled

#### Environment:

Operating Temperature  
-20° ~ 55° C\*  
Storage Temperature  
-20° ~ 70° C  
Relative Humidity  
10 ~ 90 % (non condensing)  
IP Protection  
IP20

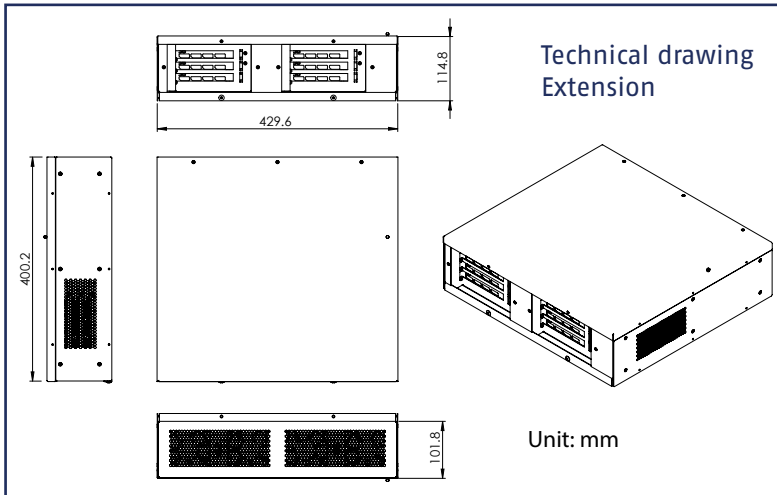
#### Operating System:

Microsoft® Windows® Server  
Linux®

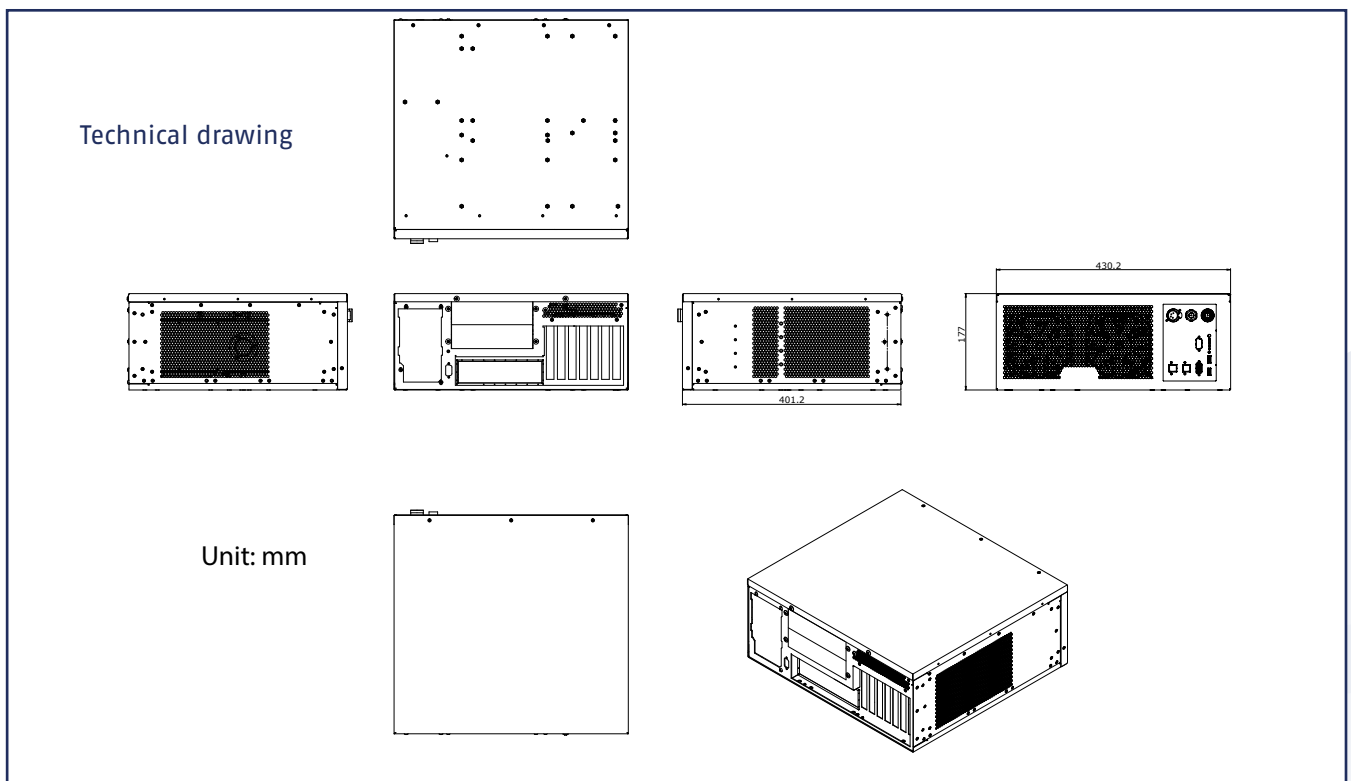
\* With external radiator (25° C),  
in full expansion at full load (24/7): 0° ~ 40° C

# Mayflower®-Q12W-SP5

## Additional illustrations



Remote radiator with  
2x 120 mm fans for  
liquid cooling



### InoNet Competences and Services



Consulting



Development



Testing



Customization



Manufacturing



ISO 9001  
Certifications

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