

## Mayflower<sup>®</sup>-LLM18-SP3

19" GenAI server for AI inference and model fine-tuning with up to 3x NVIDIA<sup>®</sup> RTX 6000 Ada GPUs

### Features

- **High-Performance with AMD<sup>®</sup> EPYC<sup>™</sup> CPU**
- **Including 2x NVIDIA<sup>®</sup> RTX 6000 powerful GPUs (3x on request)**
- **2x 100 GBit LAN (QSFP28) NVIDIA<sup>®</sup> ConnectX<sup>®</sup>-6 Dx**
- **Robust full-industrial components for 24/7 operation**
- **Two additional 2.5" shuttles**
-  **Discover our free Copilot (open-source ChatBot), with which you can test various LLMs on-premise with your documents**

### Configuration example

Further configurations on request!

#### Mainboard:

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

#### Processor:

AMD<sup>®</sup> EPYC<sup>™</sup> 7003/7002

#### Memory:

8x DDR4 DIMM, max. 3200 MHz  
RDIMM: max. 64 GB/DIMM  
LRDIMM: max. 128 GB/DIMM

#### Graphic:

OnBoard AST2500, 512 MB DDR4 KI  
2x NVIDIA<sup>®</sup> RTX 6000 Ada, PCIe x16 each card:  
48 GB GDDR6, 4x DisplayPort 1.4, 18176 CUDA Cores  
**On request**  
1x NVIDIA<sup>®</sup> RTX 6000 Ada, PCIe x16  
3x NVIDIA<sup>®</sup> RTX 6000 Ada, PCIe x16

#### AI Performance:

Single-Precision power: 91.1 TFLOPs  
RT Core-Performance: 210.6 TFLOPs  
Tensor-Performance: 1457 TFLOPs

#### Expansions:

7x PCIe x16 (Gen 4), full height (5 slots already used)  
**One slot of it optional**  
- PCIe x16 (Gen 4)  
- PCIe x8 (Gen 4), second M.2  
- no PCIe, second M.2, 2x OCuLink

#### Drive Bays:

##### Internal

1x 2.5", 2x M.2 (one M.2 slot depending on slot configuration)

##### External

2x 2.5" in shuttle, SATA/NVME

#### Power Supply:

90 ~ 264 VAC, 2000 Watt, 80 Plus  
On request: Redundant power supply for AC and DC

#### Mechanical:

##### Chassis

19 Zoll 4HE Rackmount-Chassis  
**Dimensions (W x H x D)**

430 x 177 x 400 mm

##### Cooling

Active, 2x 120 mm fans

#### I/O:

2x 10 GBit LAN (RJ45)  
1x Dedicated IPMI LAN (RJ45)  
2x 100 GBit LAN (QSFP28), NVIDIA<sup>®</sup> ConnectX<sup>®</sup>-6 Dx, PCIe x16  
1x RS-232  
2x USB 3.2 (Gen 1)  
1x USB-C 3.2 (Gen 2)  
4x DisplayPort 1.4 per graphics card  
1x VGA

#### Environment:

##### Operating Temperature

0° ~ 35° C

##### Storage Temperature

-20° ~ 70° C

##### Relative Humidity

10 ~ 90 % (non condensing)

##### IP Protection

IP20

#### Operating System:

Microsoft<sup>®</sup> Windows<sup>®</sup> Server  
Linux<sup>®</sup>



## Mayflower®-LLM18-SP3 Additional illustrations



Backside

Mayflower®-LLM18-SP3  
installed in a  
19" server cabinet

Mayflower®-LLMW33-SP3  
with liquid cooling  
and remote condenser



### InoNet Competences and Services



Consulting



Development



Testing



Customization



Manufacturing



ISO 9001

Certifications

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