

## Mayflower®-LLMW33-SP3

19" liquid-cooled GenAI server for AI inference, model fine-tuning & training with NVIDIA® H100 NVL GPU

### Features

- **High-Performance with AMD® EPYC™ CPU**
- **Including NVIDIA® H100 NVL powerful GPU (2x on request)**
- **Liquid cooling for CPU and GPU**
- **2x 100 GBit LAN (QSFP28) NVIDIA® ConnectX®-6 Dx**
- **Robust full-industrial components for 24/7 operation**
-  **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® EPYC™ 7003/7002  
Liquid cooled

#### Memory:

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

#### Graphic:

OnBoard AST2500, 512 MB DDR4 KI  
1x NVIDIA® H100 NVL, PCIe x16  
188 GB HBM3, 33792 CUDA Cores  
**On request**  
2x NVIDIA® H100 NVL, PCIe x16

#### AI Performance:

FP64: 68 TFLOPs  
FP64 Tensor Core: 134 TFLOPs  
FP32: 134 TFLOPs  
TF32 Tensor Core: 1979 TFLOPs  
BFLOAT16 Tensor Core: 3958 TFLOPs  
FP16 Tensor Core: 3958 TFLOPs  
FP8 Tensor Core: 7916 TFLOPs

#### I/O:

2x 10 GBit LAN (RJ45)  
1x Dedicated IPMI LAN (RJ45)  
2x 100 GBit LAN (QSFP28), NVIDIA® ConnectX®-6 Dx, PCIe x16  
1x RS-232  
2x USB 3.2 (Gen 1)  
1x USB-C 3.2 (Gen 2)  
2x DisplayPort (optional)  
1x VGA

#### Power Supply:

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

#### Expansions:

7x PCIe x16 (Gen 4), full height  
(4 slots already used)

#### Mechanical:

**Chassis**  
19 Zoll 4HE Rackmount-Chassis  
**Dimensions (W x H x D)**  
430 x 177 x 400 mm  
**Cooling**  
Hybrid cooling system with 2x 120 mm fans and liquid cooling for CPU and GPU cards  
Remote condenser with 9x 120 mm fans for 19" installation

#### Drive Bays:

**Internal**  
1x M.2  
**External**  
2x 5.25"

#### Environment:

**Operating Temperature**  
0° ~ 35° C  
**Storage Temperature**  
-20° ~ 70° C  
**Relative Humidity**  
10 ~ 90 % (non condensing)  
**IP Protection**  
IP20

#### Operating System:

Microsoft® Windows® Server  
Linux®

# Mayflower®-LLMW33-SP3

## Additional illustrations

Remote condenser with  
9x 120 mm fans for  
liquid cooling



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



Certifications

InoNet Computer GmbH  
Wettersteinstraße 18  
82024 Taufkirchen, Germany  
[www.inonet.com](http://www.inonet.com)