

## Mayflower®-B17-LiQuid-vX

Liquid cooled in-vehicle server for AI/GPU and Sensor Fusion Applications

### Features

- High computing power due to powerful CPUs and up to 5x GPU/Tensor cards
- Liquid cooling for CPU and GPU/Tensor cards
- Optimal for AI applications through powerful GPUs
- Robust full industrial components for 24/7 operation
- Expandable through 6 PCIe slots and InoNet QuickTray®



### Configuration example

Further configurations on request!

#### Mainboard:

Industrial Mainboard E-(ATX), 24/7 operation, long-term availability  
Chipset: Intel® C621A

#### Processor:

Dual Intel® XEON® Scalable (3<sup>rd</sup> Gen)  
Liquid cooled

#### Memory:

16x DDR4 DIMM, max. 3200 MHz  
RDIMM/LRDIMM, max. 256 GB/DIMM

#### AI Support:

Up to 5x GPU/Tensor cards  
PCIe x16/x8, Liquid cooled

#### I/O:

**Back**  
2x 1Gbit LAN (RJ45)  
4x 10Gbit LAN (RJ45), PCIe x8 card  
1x Dedicated IPMI LAN (RJ45)  
1x RS-232  
4x USB 3.2 (Gen 1)  
1x VGA  
1x UID LED/BMC Reset

#### Drive Bays:

**Internal**  
1x M.2  
**External**  
2x 5.25"  
**Optional QuickTray®**  
1x integrated (uses 2x 5.25")  
1x as extension  
Per QuickTray® up to 14 GB/s\* (2x QuickTray® up to 26 GB/s\*) and 120 TB\* with 4x NVMe SSDs

#### Graphic:

OnBoard AST2600  
**Optional**  
NVIDIA® T600, 4 GB GDDR6, 4x mDP

\* Depending on SSD type and manufacturer, real measured with Iometer (continuous write mode)  
\*\* With external radiator (25° C), in full expansion at full load (24/7): 0° ~ 40° C

#### Power Supply:

9 ~ 18 VDC / 1000 Watt  
Screw terminals for ring eyelets  
Optionally 24/48 VDC or AC

#### Expansions:

4x PCIe x16 (Gen 4)  
2x PCIe x8 (Gen 4)  
full height

#### Optional

Additional extensions for automotive applications (Ethernet, CAN, LIN® etc.)

#### Mechanical:

**Chassis**  
19 Zoll 4HE Rackmount-Chassis  
**Dimensions (W x H x D)**  
430 x 177 x 401 mm  
QuickTray® extension:  
430 x 115 x 417 mm (1x QuickTray®)  
**Cooling**  
Hybrid cooling system with 2x 120mm fans and liquid cooling for CPU and up to 5 Tensor cards  
Remote radiator with 2x 120mm fans

#### Environment:

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

#### Certifications:

CE (93/68/EWG)  
EMV (2014/30/EU)  
Low voltage safety (2014/35/EU)

#### Operating System:

Microsoft® Windows® 10/11/Server  
Linux®

## Mayflower®-B17-LiQuid-vX Additional illustrations



Up to 5x Tensor cards  
PCIe x16/x8  
Liquid cooled



Remote radiator with  
2x 120mm fans for  
liquid cooling

Optional extension with QuickTray®

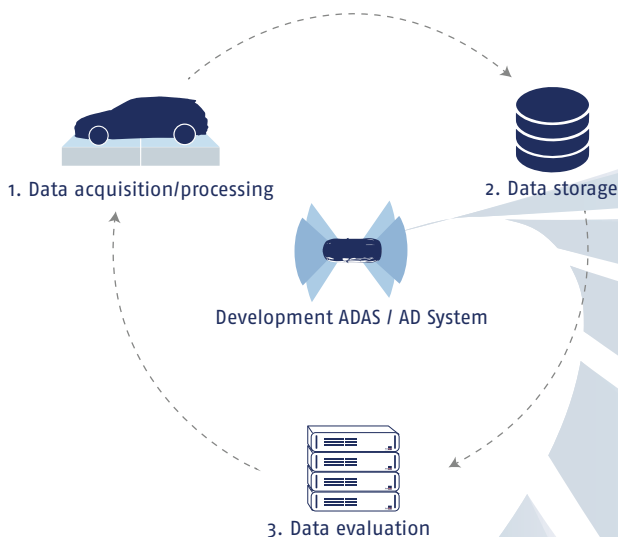


Up to 14 GB/s\* each QuickTray® (2x QuickTray®  
up to 26 GB/s\*) and 120 TB\* with 4x NVMe SSDs



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

## InoNet Automotive Ecosystem



The InoNet Automotive Computer Ecosystem describes the entire spectrum of scalable hardware solutions for vehicle development – especially in the field of ADAS and AD and their subsequent testing.

Our product portfolio covers all categories, from data acquisition and processing in the vehicle to fast and secure storage on exchangeable data storage devices to subsequent data evaluation via server farms or workstations.

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