INONET
A EUROTECH COMPANY

# InoHiL®-B17QW-SP3

19“ liquid-cooled HiL server for complex model calculations, signal processing, machine learning and AI

## Features

- ↗ *High computing power due to powerful CPU and up to 5x Tensor cards*
- ↗ *Liquid cooling for CPU and Tensor cards*
- ↗ *Multi-GPU support*
- ↗ *Robust full industrial components for 24/7 operation*
- ↗ *Expandable through 7 PCIe x16 slots and InoNet QuickTray®-v3*
- ↗ *Ideal for intensive signal processing and complex model calculations*

## 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/LRDIMM: max. 128 GB/DIMM

**AI Support:**
Up to 5x Tensor cards, PCIe x16
Liquid cooled

**I/O:**
2x 10 GBit LAN (RJ45)
1x Dedicated IPMI LAN (RJ45)
Optional 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

**Drive Bays:**
**Internal**
1x 2.5“, 2x M.2 (one M.2 slot depending on slot configuration)
**Integrated QuickTray®-v3**
up to 240 TB* with 4x NVMe-SSDs up to 26 GB/s*
**Optional Extension**
with up to 2x QuickTray®-v3 (2x QuickTray®-v3 up to 28 GB/s*)

**Graphic:**
OnBoard AST2500, 512 MB DDR4
**Optional**
NVIDIA® RTX 6000, 48 GB GDDR6, 4x DisplayPort 1.4, PCIe x16

**Power Supply:**
90 ~ 264 VAC , 1200 Watt, 80 Plus
On request: Redundant power supply for AC and DC

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

**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 175 x 400 mm
QuickTray® extension:
430 x 115 x 417 mm (2x QuickTray®)
**Cooling**
Hybrid cooling system with 2x 120 mm fans and liquid cooling for CPU and up to 5 Tensor cards
Remote condenser with 9x 120 mm fans for 19“ installation

**Environment:**
**Operating Temperature**
0° ~ 55° C**
**Storage Temperature**
-20° ~ 70° C
**Relative Humidity**
10 ~ 90 % (non condensing)
**IP Protection**
IP20

**Operating System:**
Microsoft® Windows® Server/11
Linux®

* 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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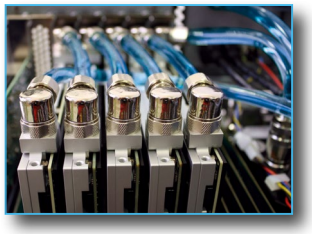
## Additional illustrations

Remote condenser with
9x 120 mm fans for
liquid cooling



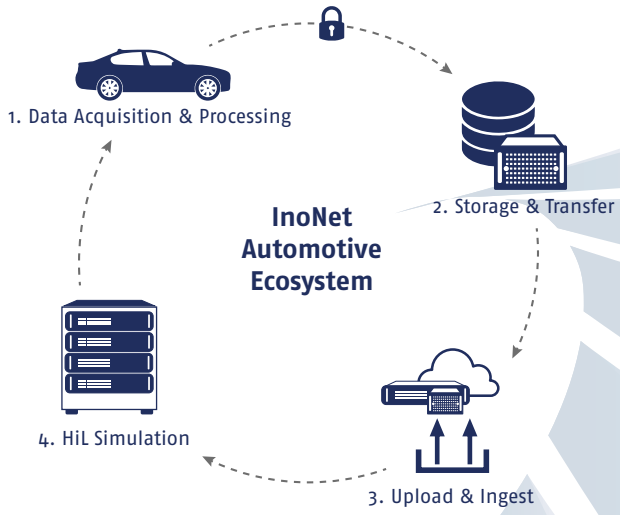
Up to 5x Tensor cards
PCIe x16
Liquid cooled

Optional extension with up to 2x QuickTray®-v3

Up to 26 GB/s* each QuickTray®-v3 (2x QuickTray®-v3
up to 28 GB/s*) and 240 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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