Mayflower®-B17
Modular Automotive Embedded Computer Platform with Server Performance for Data Logging and AI Applications

Features

↗ *Single/Dual Intel® XEON® CPU or Intel® Core™ i CPU*

↗ *Server I/O Performance (Processing and Logging Rates)*

↗ *Perfect for AI Applications due to powerful GPUs*

↗ *Extendable by 6x PCIe Slots (upgradeable up to 7x)*

↗ *Application-specific Cooling Options*

↗ *Expandable through InoNet QuickTray®*

Configuration example
Further configurations on request!

Mainboard:
Industrial server mainboard, 24/7 operation, long-term availability

Processor:
Intel® XEON® Scalable processors
Intel® Core™ i 10th Generation

Graphics:
0nboard graphics chip
Optional
Professional NVIDIA® graphics cards (TITAN v or GeForce RTX 2080Ti)

Memory:
DDR4 2666 MHz RDIMM or LDIMM
Up to 1.5 TB****

Storage:
2x 2.5" SATA
2x 2.5" NVMe or SATA in shuttle
Optional QuickTray®
Extension with up to 2x QuickTray®.
Per QuickTray® up to 14 GB/s** (2x QuickTray® up to 26 GB/s**) and 120 TB* with 4x NVMe SSDs

Expansions*:
5x PCIe x16 (Gen 3)
1x PCIe x8 (Gen 3)
Optional
Additional extensions for automotive applications (Ethernet, CAN, LIN® etc.)

Power Supply:
650 – 1100W
(depending on configuration)
**Input Voltage
(with engine running)**
12 VDC (±9 VDC ~ ±18 VDC) /
24 VDC (±18 V ~ ±36 V DC) /
48 VDC (±37 V ~ ±71 V DC) /
94 ~ 264 VAC

Mechnical:
Dimensions (W x H x D)
431 x 177 x 417 mm
QuickTray® extension:
430 x 115 x 417 mm (2x QuickTray®)
Cooling
Active, liquid cooling
Fans: 2x 120 mm in Chassis

Environment:
Operating Temperature
−5 ~ 55° C***
Storage Temperature
−20 ~ 70° C
Relative Humidity
10 ~ 90% (non-condensing)
IP Protection
IP20

* Depending on selected mainboard

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

*** with two Intel® XEON® Gold 6148 CPUs and NVIDIA® GeForce RTX 2080Ti

**** Depending on selected cooling solution

Air cooled version

www.inonet.com | Tel.: +49 89 / 666 096 – 0 | sales@inonet.com

Published: 24. January 2023, 16:50. Subject to be change without prior notice.

Mayflower®-B17
Additional illustrations

Optional extension with
2x QuickTray®

Liquid cooled version

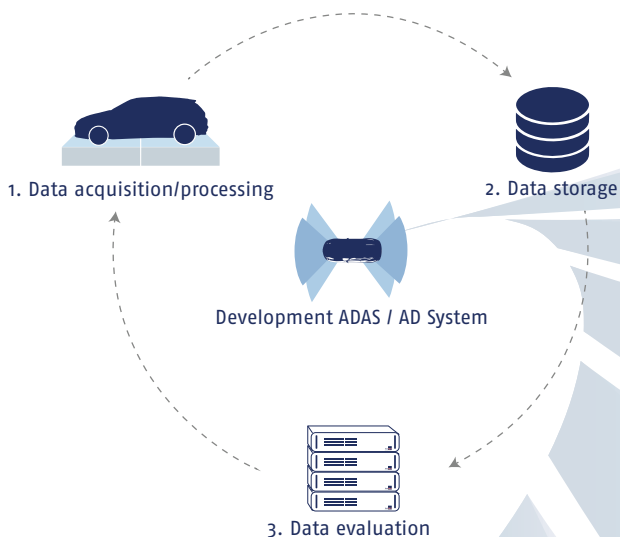Up to 14 GB/s* each QuickTray® (2x QuickTray®
up to 26 GB/s*) and 120 TB* with 4x NVMe SSDs

Backside

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

InoNet Automotive Ecosystem

1. Data acquisition/processing

2. Data storage

Development ADAS / AD System

3. Data evaluation

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.

InoNet Computer GmbH
Wettersteinstraße 18
82024 Taufkirchen, Germany
w w w . i n o n e t . c o m