

Inomotive® Workstation-II

Powerful like 19" –
robust & compact like embedded

Mechanical:

Chassis
Industrial housing
made of heavy duty steel
Dimensions (W x H x D)
330 x 196 x 410 mm
Cooling
active, 1x 120mm fan
Weight
9.5 kg

Processor:

Intel® Core™ i 10th Generation
Chipset: Intel® Q470E

Operating System:

Microsoft Windows 10
Linux

Memory:

RAM
4x DDR4 DIMM, max. 128GB
Mass Storage
external: 3x 5.25"
internal: 2x 2.5"
optional: InoNet QuickTray®
(uses 2x 5.25"
slots)

Consumption:

Idle
50W with 65W CPU (+160W GPU)
Full Load
144W with 65W CPU
360W with 65W CPU + 160W GPU

Environment:

Operating Temperature
65W CPU + 160W GPU: 0° ~ 50°C*
35W CPU + 160W GPU: 0° ~ 55°C**
35W, 65W CPU: 0° ~ 55°C**
Storage Temperature
-20° ~ 70°C

I/O:

1x VGA
1x DVI-D
1x DisplayPort
2x GBit LAN (RJ45)
8x USB: 2x USB 3.2 Gen 2
2x USB 3.2 Gen 1
4x USB 2.0
2x Audio (Line-out, Mic-in)
1x Serial (RS232)

Expansions:

1x M.2 (M-key, type:2280)
1x PCIe x16 (Gen 3)
4x PCIe x4 (Gen 3) (3x link x4,
1x link x1)
2x PCI (32-bit/33 MHz)

Various expansion cards optionally available

Power Supply:

Industrial DC-DC, 300W – 500W
12V (9~18V) 320/400/450/500W
24V (18~36V) 300/350/450/500W
48V (37~71V) 400/450/500W
For laboratory applications also
230V available

Possible accessories



InoFix mount for attachment
to ISOFIX mount (on request)



Mounting rails for vertical
or horizontal mounting



InoNet QuickTray®
for high-speed data logging



Displays and additional hardware for
Testing (switches, GPS modules, etc.)

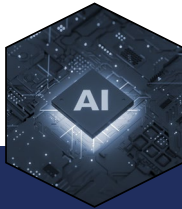


* Without throttling with standard power supply unit
** Without throttling with special power supply unit



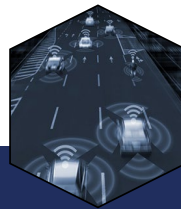
In Vehicle

Robust and resilient
Extended temperature range
Automotive power supply
Mounting options



AI Training

High power density*
10th Gen. Intel® Core™ i CPUs
Nvidia GPU applicable
Machine Learning Hardware



Data Logging

Data write rate up to 14 GB/s*
Storage capacity up to 120 TB
NVMe & SATA technology
Individual storage concept



Your requirements

40% smaller than 19" case**
Flexible I/O interfaces
Individual configuration
7x expansion card slots

*The powerful and flexible solution
for your application areas*

120mm silent PWM fan

**InoNet QuickTray®
2x 5.25" removable frame**

**1x 5.25" bay, e.g. 4x SSD (removable frame)
2x 2.5" internal drive bays**

Power supply 300W up to 500W:

- $V_{DC} = 12V (9\sim18V)$
- $V_{DC} = 24V (18\sim36V)$
- $V_{DC} = 48V (37\sim71V)$
- $V_{AC} = 230V$

PCIe x16 Gen 3

PCIe x4 Gen 3

PCIe x4 Gen 3 (link x1)

PCI (32-bit/33 MHz)

Customer specific

Plug-in cards:

- Graphics card
- Network cards
- RAID controller
- BUS interfaces
- and much more

* Corresponding NVMe SSDs required
** Reference: conventional 19" chassis