

Mayflower®-IIB-R680E

19" 4U server with 12 slots and PICMG 1.3 slot SBC for Intel® Core™ i CPUs up to 14th generation

Features

- High-Performance with Intel® Core™ i CPUs 12th/13th/14th Generation
- 12x PCIe/PCI slots for expansion cards
- Robust full industrial components for 24/7 operation
- 2x 5.25", 1x 3.5" and 2x hot-swap 3.5" bays
- Front-changeable air filter

Configuration example

Further configurations on request!

Slot SBC/Backplane:

Industrial slot SBC (PICMG 1.3), 12-slot backplane
24/7 operation, long-term available

Processor:

Intel® Core™ i 12th/13th/14th Generation
Chipset: Intel® R680E

Memory:

2x DDR5 UDIMM, max. 5600 MHz
max. 64 GB

Graphic:

Onboard Intel® UHD 730/770
(depending on CPU)

I/O:

Back
2x 2.5 GBit LAN (RJ45)
2x USB 3.2 (Gen 2)
1x USB 2.0
1x VGA

Back (optional)

4x USB 3.2 (Gen 2) via slot bracket
2x RS-232 via slot bracket
1x DVI-D via slot bracket

Front

2x USB 2.0

Internal

1x USB 2.0 (type A)
1x GPIO Header (8 Bit)

Power Supply:

90 ~ 264 VAC, 700 Watt, 80 Plus
On request: Redundant power supplies for AC and DC

Expansions:

1x PCIe x16 (Gen 3)
3x PCIe x1 (Gen 3)
8x PCI
Full height

Mechanical:

Chassis

19" 4U rackmount chassis
Dimensions (W x H x D)
482 x 177 x 478.6 mm

Cooling

active, 1x 120 mm fan, 1x 60 mm fan for 3.5" removable frame
air filter changeable from the front

Drive Bays:

Internal

1x M.2 (M-key, type: 2280)

External

1x 3.5"
2x 3.5" removable frame, hot-swap
2x 5.25"

Operating System:

Microsoft® Windows® 10/11
Linux®

Features:

Watchdog Timer
TPM 2.0

Environment:

Operating Temperature

0° ~ 45° C

Storage Temperature

-20° ~ 60° C

Relative Humidity

10 ~ 95 % (non condensing)

IP Protection

IP20



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Additional illustrations

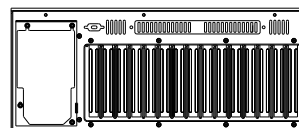
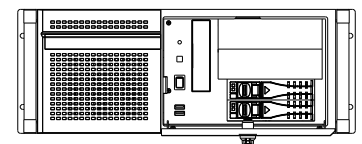
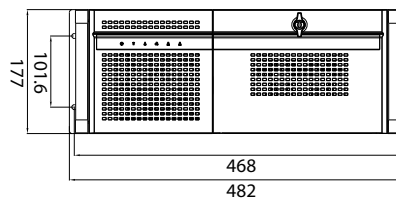
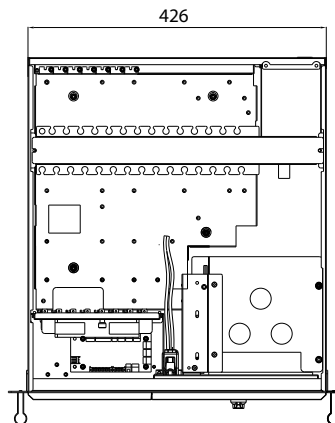
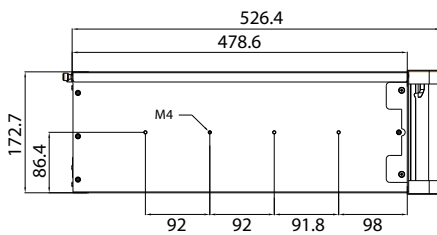


Front view (open)



Rear view

Technical drawing



Unit: mm

InoNet Competences and Services



Consulting



Development



Testing



Customization



Manufacturing



ISO 9001

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