

INO**NET**

A EUROTECH COMPANY

19" Rackmount PCs

Modular systems for challenging applications

can be configured to perfectly fit your target applications

Unlimited customizations

you receive an identical system throughout your application's life cycle

Long-term availability

designed and tested for failsafe non-stop field use

Reliability for 24/7 operation

depending on the requirements of the application,
maximum performance or highest cost & energy efficiency

Scalable computing power



InoNet 19" Rackmount Industrial Computers

InoNet 19" rackmount PCs are designed for a wide range of applications in many industries, including plant automation, automotive, transportation, and industrial image and video processing. InoNet specializes in the design and manufacture of high quality, fail-safe computer systems that are individually tailored to meet specific customer requirements. Carefully selected components ensure the high quality of our systems. Our rackmount industrial PCs are modularly adaptable and can thus be tailored to any specific requirement.

Mainboard-Systemes

Even in small quantities, our 19" systems offer an extremely high degree of flexibility. Server performance or cost-optimized design, regular hardware or 100% industry-hard components: we configure the system that perfectly fits your application.

Backplane-Systemes

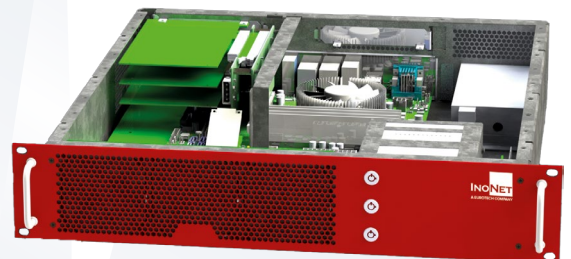
Whenever many expansion slots are needed, backplane systems from InoNet are the right choice. By replacing the slot CPU, the systems also offer a high degree of flexibility over the entire life cycle.

1U, 2U, 4U

Our systems are available in 1U, 2U and 4U. The system fits exactly to its place of use and without compromising the hardware.

NICI-Design

With our unique Next-InoNet-Computer-Innovation-Design (NICI-Design), we can quickly and cost-effectively customize 19 inch PCs to meet your needs.



About InoNet

InoNet Computer GmbH is a developer and manufacturer of rugged industrial PCs which are tailored specifically to the needs of our customers. Founded in 1998, our portfolio contains easy-to-configure 19" rackmount PCs, compact and powerful embedded systems as well as panel PCs and industrial displays in all sizes, enabling control of machines and other assets under every condition.

Engineering the Future – built to last, designed for you

With a strong focus on engineering and in-house manufacturing at our headquarters near Munich, Germany, we are capable to customize each and every system individually to its target application. For that reason, InoNet industrial PC systems are found across the world, wherever computers need to operate 24/7 under highest demands on computing power and resilience.



Up to 15 years availability



Over 25 years of know-how



Individual solutions



Customized services



Made in Germany

Product Overview 19" Racksystems

Configuration examples

Mayflower®-I
1U Rackmount IPC

Mayflower®-ID
2U Rackmount IPC

Mayflower®-IDS
2U Rackmount IPC

14th Gen.
on
request



Technology

Mainboard	Industrial ATX Mainboard, 24/7 Operation, Long-term availability		
CPU	Intel® Core™ i CPUs 10 th Generation	Intel® Core™ i CPUs 12 th /13 th /14 th Generation	Intel® Core™ i CPUs 12 th /13 th /14 th Generation
Chipset	Intel® H420E	Intel® Q670E	Intel® Q670E
Memory	max. 64 GB DDR4	max. 192 GB DDR5	max. 128 GB DDR5
Graphic	Intel® UHD 630	Intel® UHD 730/770	Intel® UHD 730/770

Storage

Internal	1x 3.5" or 2x 2.5" 1x M.2 M-key	2x 3.5" 1x M.2 M-key	2x 2.5", 2x 3.5" 2x M.2 M-key
External	1x 3.5", 1x Slimline-ODD	1x 5.25", 1x 3.5"	2x 5.25"

I/O Interface & Expansion

USB 3.2	6x	4x	4x
USB 2.0	2x	6x	2x
LAN	2x 1 GBit	2x 1 GBit	2x 1 GBit
Video	DVI-D, VGA	DisplayPort, HDMI, VGA	DisplayPort, HDMI, VGA
Serial	2x RS-232	1x RS-232	1x RS-232/422/485
Audio	Line-Out, Mic	Line-Out, Mic	Line-In, Line-Out, Mic
Expansion Slots	1x PCI full-size	2x PCIe x16 (1x Gen 5, 1x Gen 4) 2x PCIe x8 (1x Gen 4, 1x Gen 3) 2x PCIe x4 (1x Gen 4, 1x Gen 3) 1x PCIe x1 (Gen 4) low-profile Optional: 3x full-size slots	2x PCIe x16 (Gen 5) 2x PCIe x4 (1x Gen 4, 1x Gen 3) low-profile 1x M.2 E-key, 1x M.2 B-key

Mechanical

Dimensions (W x H x D)	426 x 44 x 497 mm	482 x 88 x 481 mm	428 x 88 x 385 mm
Mounting	Rackmount	Rackmount	Rackmount
Chassis Fans	2x 40 mm	2x 80 mm	2x 60 mm
Power Supply Unit	300 Watt	400 Watt	400 Watt
Features	Integrated alarm module for early cause elimination, air filter replaceable from the front	Integrated alarm module for early cause elimination, lockable front door	Drive cages in anti-vibration design, air filter replaceable from the front

Environment

Operating Temperature*	0° ~ 45° C*	0° ~ 50° C*	0° ~ 45° C
Storage Temperature	-20° ~ 60° C	-40° ~ 85° C	-40° ~ 85° C
Relative Humidity	10 - 85% (non condensing)	0 - 95% (non condensing)	0 - 90% (non condensing)



No suitable system?

InoNet is the leading supplier of individually developed industrial PCs. We offer flexible OEM services, individual interface configuration, chassis design or even customer-specific cooling concepts. Challenge us.

* Ambient temperature at full load in 24/7 operation: 0°~40°C

Product Overview 19" Racksystems

Configuration examples

Magnius®-SIDF Frontload
2U Rackmount IPC



Mayflower®-II
4U Rackmount IPC



Mayflower®-II-C621
4U Rackmount IPC



Technology

Mainboard	Industrial ATX Mainboard, 24/7 Operation, Long-term availability		
CPU	Intel® Core™ i CPUs 13 th Generation	Intel® Core™ i CPUs 12 th /13 th /14 th Generation	Intel® Xeon® Scalable CPUs 2 nd Generation
Chipset	Intel® Q670E	Intel® Q670E	Intel® C621
Memory	max. 128 GB DDR5	max. 192 GB DDR5	max. 768 GB DDR4
Graphic	Intel® UHD 730/770	Intel® UHD 730/770	AST2510

Storage

Internal	2x 3.5", 4x 2.5" 1x M.2 M-key	3x 3.5" 1x M.2 M-key	1x M.2 M-key
External	-	3x 5.25", 1x 3.5"	3x 5.25", 2x 2.5"

I/O Interface & Expansion

USB 3.2	4x	6x	4x
USB 2.0	2x	4x	2x
LAN	2x 1 GBit	2x 1 GBit	2x 1 GBit
Video	DisplayPort, HDMI	DisplayPort, HDMI, VGA	VGA
Serial	1x RS-232/422/485	1x RS-232	1x RS-232
Audio	Line-In, Line-Out, Mic	Line-Out, Mic	-
Expansion Slots	2x PCIe x16 (1x Gen 5, 1x Gen 4) 1x PCIe x4 (Gen 4) 1x PCIe x1 (Gen 3) 3x PCI low-profile 1x M.2 E-key, 1x M.2 B-key	2x PCIe x16 (1x Gen 5, 1x Gen 4) 2x PCIe x8 (1x Gen 4, 1x Gen 3) 2x PCIe x4 (1x Gen 4, 1x Gen 3) 1x PCIe x1 (Gen 4) full-height	2x PCIe x16 or 4x PCIe x8 (Gen 3) 1x PCIe x8 (Gen 3) 1x PCIe x4 (Gen 3) 1x PCIe x1 (Gen 3) full-height

Mechanical

Dimensions (W x H x D)	482 x 88 x 350 mm	430 x 176 x 465 mm	483 x 177 x 510 mm
Mounting	Rackmount	Rackmount	Rackmount
Chassis Fans	2x 80 mm	1x 120 mm	1x 120 mm
Power Supply Unit	400 Watt	500 Watt	500 Watt
Features	Interfaces accessible from the front, drive cages in anti-vibration design	Drive cages in anti-vibration design, hold-down clamps and washable air filters	Lockable front door, air filter replaceable from the front

Environment

Operating Temperature	0° ~ 50° C*	0° ~ 50° C*	0° ~ 35° C
Storage Temperature	-40° ~ 85° C	-40° ~ 85° C	-20° ~ 70° C
Relative Humidity	0 - 90% (non condensing)	0 - 95% (non condensing)	10 - 90% (non condensing)



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* Ambient temperature at full load in 24/7 operation: 0°~40°C

Product Overview 19" Racksystems

Configuration examples

Mayflower®-II-AM5
4U Rackmount IPC



Magnius®-SII
4U Rackmount IPC



Magnius®-SII Frontload
4U Rackmount IPC



Technology

Mainboard	Industrial ATX Mainboard, 24/7 Operation, Long-term availability		
CPU	AMD® Ryzen™ 7000 Series CPUs	Intel® Core™ i CPUs 13 th Generation	Intel® Core™ i CPUs 13 th Generation
Chipset	AMD® socket AM5	Intel® Q670E	Intel® Q670E
Memory	max. 128 GB DDR5	max. 128 GB DDR5	max. 128 GB DDR5
Graphic	AMD® Radeon™	Intel® UHD 730/770	Intel® UHD 730/770

Storage

Internal	3x 3.5" 2x M.2 M-key	7x 3.5" 2x M.2 M-key	6x 3.5" 2x M.2 M-key
External	3x 5.25", 1x 3.5"	2x 5.25", 1x 3.5"	2x 5.25"

I/O Interface & Expansion

USB 3.2	6x	4x	4x
USB 2.0	2x	2x	2x
LAN	2x 2,5 GBit	1x 1 GBit	1x 1 GBit
Video	DisplayPort, HDMI	DisplayPort, HDMI	DisplayPort, HDMI
Serial	1x RS-232, 1x RS-232/422/485	1x RS-232/422/485	1x RS-232/422/485
Audio	Line-In, Line-Out, Mic	Line-In, Line-Out, Mic	Line-In, Line-Out, Mic
Expansion Slots	1x PCIe x16 (Gen 5) 1x PCIe x4 (Gen 5) 1x PCIe x4 (Gen 4) 1x PCIe x1 (Gen 3) 1x PCI full-height	1x PCIe x16 (Gen 5) 1x PCIe x16 (Gen 4) 1x PCIe x4 (Gen 4) 1x PCIe x1 (Gen 3) 3x PCI full-size	1x PCIe x16 (Gen 5) 1x PCIe x16 (Gen 4) 1x PCIe x4 (Gen 4) 1x PCIe x1 (Gen 3) 3x PCI full-size

Mechanical

Dimensions (W x H x D)	430 x 176 x 465 mm	427 x 177 x 450 mm	426 x 177 x 381.6 mm
Mounting	Rackmount	Rackmount	Rackmount
Chassis Fans	1x 120 mm	1x 120 mm	1x 120 mm, 2x 80 mm
Power Supply Unit	400 Watt	400 Watt	400 Watt
Features	Drive cages in anti-vibration design, hold-down clamps and washable air filters	Drive cages in anti-vibration design, hold-down clamps and replaceable air filter	Interfaces accessible from the front, drive cages in anti-vibration design

Environment

Operating Temperature	0° ~ 50° C*	0° ~ 50° C	0° ~ 50° C
Storage Temperature	-40° ~ 80° C	-40° ~ 85° C	-40° ~ 85° C
Relative Humidity	0 - 95% (non condensing)	0 - 99% (non condensing)	0 - 90% (non condensing)



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* Ambient temperature at full load in 24/7 operation: 0°~40°C

Product Overview 19" Racksystems

SBC with backplane (configuration examples)

Mayflower®-IDB
2U Rackmount IPC



Mayflower®-IIB
4U Rackmount IPC



Technology

SBC/Backplane	Industrial SBC (PICMG 1.3), 5-slot butterfly backplane 24/7 Operation, Long-term availability	Industrial SBC (PICMG 1.3), 12-slot backplane 24/7 Operation, Long-term availability
CPU	Intel® Core™ i CPUs 12 th /13 th /14 th Generation	Intel® Core™ i CPUs 12 th /13 th /14 th Generation
Chipset	Intel® R680E	Intel® R680E
Memory	max. 64 GB DDR5	max. 64 GB DDR5
Graphic	Intel® UHD 730/770	Intel® UHD 730/770

Storage

Internal	1x M.2 M-key	1x M.2 M-key
External	2x 3.5", 1x Slimline-ODD	2x 5.25", 3x 3.5"

I/O Interface & Expansion

USB 3.2	2x, 4x via slot bracket (optional)	2x, 4x via slot bracket (optional)
USB 2.0	3x	3x
LAN	2x 2,5 GBit	2x 2,5 GBit
Video	VGA, DVI-D via slot bracket (optional)	VGA, DVI-D via slot bracket (optional)
Serial	1x RS-232 or 2x RS-232 via slot bracket (optional)	2x RS-232 via slot bracket (optional)
Audio	-	-
Expansion Slots	1x PCIe x16 (Gen 3) 4x PCIe x1 (Gen 3) full-height	1x PCIe x16 (Gen 3) 3x PCIe x1 (Gen 3) 8x PCI full-height

Mechanical

Dimensions (W x H x D)	482 x 88 x 450.6 mm	482 x 177 x 478.6 mm
Mounting	Rackmount	Rackmount
Chassis Fans	1x 80 mm	1x 120 mm
Power Supply Unit	500 Watt	700 Watt
Features	Integrated alarm module for early cause elimination, air filter replaceable from the front	Air filter replaceable from the front

Environment

Operating Temperature	0° ~ 45° C	0° ~ 45° C
Storage Temperature	-20° ~ 60° C	-20° ~ 60° C
Relative Humidity	10 - 85% (non condensing)	10 - 95% (non condensing)



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Product Overview 19" GenAI Server

for AI inference and model tuning (configuration examples)

Mayflower®-LLM18
4U GenAI Server



Mayflower®-LLMW33
4U GenAI Server



Technology

Mainboard	Industrial ATX Mainboard, 24/7 Operation, Long-term availability	
CPU	AMD® EPYC™ 7003/7002	AMD® EPYC™ 7003/7002
Chipset	Socket SP3	Socket SP3
Memory	max. 1 TB DDR4	max. 1 TB DDR4
Graphic	OnBoard AST2500, 512 MB DDR4	OnBoard AST2500, 512 MB DDR4
AI Hardware	2x NVIDIA® RTX 6000 Ada, PCIe x16 each card: 48 GB GDDR6, 18176 CUDA Cores (on request: 1x or 3x NVIDIA® RTX 6000 Ada, PCIe x16)	NVIDIA® H100 NVL, 2x PCIe x16 188 GB HBM3 RAM, 33792 CUDA Cores (on request: 2x NVIDIA® H100 NVL, 4x PCIe x16)
AI Performance	Single-Precision power: 91.1 TFLOPs RT Core-Performanc: 210.6 TFLOPs Tensor-Performance: 1457.0 TFLOPs	FP64: 68 TFLOPs FP64 Tensor Core: 134 TFLOPs FP32: 134 TFLOPs TF32 Tensor Core: 1979 TFLOPs BFL0AT16 Tensor Core: 3958 TFLOPs FP16 Tensor Core: 3958 TFLOPs FP8 Tensor Core: 7916 TFLOPs

Storage

Internal	2x M.2 M-key, 2x 2.5"	2x M.2 M-key
External	2x 2.5" (in shuttle)	2x 5.25"

I/O Interface & Expansion

USB 3.2	3x	3x
USB 2.0	-	-
LAN	2x 10 GBit, 2x 100 GBit	2x 10 GBit, 2x 100 GBit
Video	DisplayPort, VGA	VGA
Serial	1x RS-232	1x RS-232
Audio	-	-
Expansion Slots	7x PCIe x16 (Gen 4) (5 slots already used)	7x PCIe x16 (Gen 4) (4 slots already used)

Mechanical

Dimensions (W x H x D)	430 x 177 x 400 mm	483 x 177 x 510 mm
Cooling	Active, 2x 120 mm	Active, 2x 120 mm CPU and GPU liquid cooled
Power Supply Unit	2000 Watt	2000 Watt

Environment

Operating Temperature	0° ~ 35° C	0° ~ 35° C
Storage Temperature	-20° ~ 70° C	-20° ~ 70° C
Relative Humidity	10 - 90% (non condensing)	10 - 90% (non condensing)



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Product Overview 19" GPU Server

Configuration examples

Mayflower®-ID-AM5
2U GPU Server



Mayflower®-II-R680E
4U GPU Server



Mayflower®-II-SP5
4U GPU Server



Technology

Industrial Mainboard	micro-ATX, 24/7 Operation Long-term availability	ATX, 24/7 Operation Long-term availability	CEB, 24/7 Operation Long-term availability
CPU	AMD® EPYC™ 4005/4004 AMD® Ryzen™ 7000/8000/9000	Intel® Core™ i 12 th /13 th /14 th Gen. Intel® Core™ (Bartlett Lake-S Hybrid)	AMD® EPYC™ 9005/9004
Chipset	AMD® Socket AM5	Intel® R680E	AMD® Socket SP5
Memory	2x DDR5 DIMM max. 192 GB	4x DDR5 UDIMM max. 192 GB	8x DDR5 RDIMM max. 4 TB
GPU	1x NVIDIA® RTX PRO™ 2000 Blackwell PCIe x8 16 GB GDDR7 with ECC 4352 CUDA Cores or 1x NVIDIA® RTX PRO™ 4000 Blackwell PCIe x8 24 GB GDDR7 with ECC 8960 CUDA Cores	1x NVIDIA® RTX PRO™ 6000 Blackwell Max-Q Workstation Edition PCIe x16 96 GB GDDR7 with ECC 24064 CUDA Cores	2x NVIDIA® RTX PRO™ 6000 Blackwell Max-Q Workstation Edition PCIe x16 96 GB GDDR7 with ECC 24064 CUDA Cores On request: up to 3x GPU

Storage

Internal	1x M.2 M-key	2x M.2 M-key, 1x 2.5"	2x M.2 M-key, 4x 2.5", 2x 3.5"
External	6x 2.5"	2x 5.25"	-

I/O Interface & Expansion

USB 3.2	5x	8x	4x
LAN	2x 1 GBit, 2x 10 GBit	1x 1 GBit, 3x 2,5 GBit	2x 1 GBit, 2x 10 GBit
Video	DisplayPort, HDMI, VGA	DisplayPort, HDMI, VGA	VGA
Serial	1x RS-232,	-	-
Expansion Slots	1x PCIe x16 (Gen 4) (used by NVIDIA® RTX GPU)	2x PCIe x8 (Gen 4) (2x used by NVIDIA® RTX GPU)	4x PCIe x16 (Gen 5) (2x used by NVIDIA® RTX GPU) 2x PCIe x8 (Gen 5) (2x used by NVIDIA® RTX GPU)

Mechanical

Dimensions (W x H x D)	438 x 87 x 450 mm	430 x 176 x 468 mm	440 x 176 x 468 mm
Chassis Fans	4x 80 mm	2x 120 mm, 2x 80 mm	3x 120 mm, 2x 80 mm
Power Supply Unit	2x 800 Watt redundant	1200 Watt	2000 Watt

Environment

Operating Temperature	0° ~ 50° C	0° ~ 50° C	0° ~ 50° C
Storage Temperature	-20° ~ 80° C	-20° ~ 80° C	-20° ~ 80° C
Relative Humidity	10 - 90% (non condensing)	10 - 90% (non condensing)	10 - 90% (non condensing)



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