# AKHET®

## Industrial PCs, Rack Server & Workstations

**RELIABLE | TAILOR-MADE | MADE IN GERMANY**

**PYRAMID**
**COMPUTER GmbH**

# No Compromise

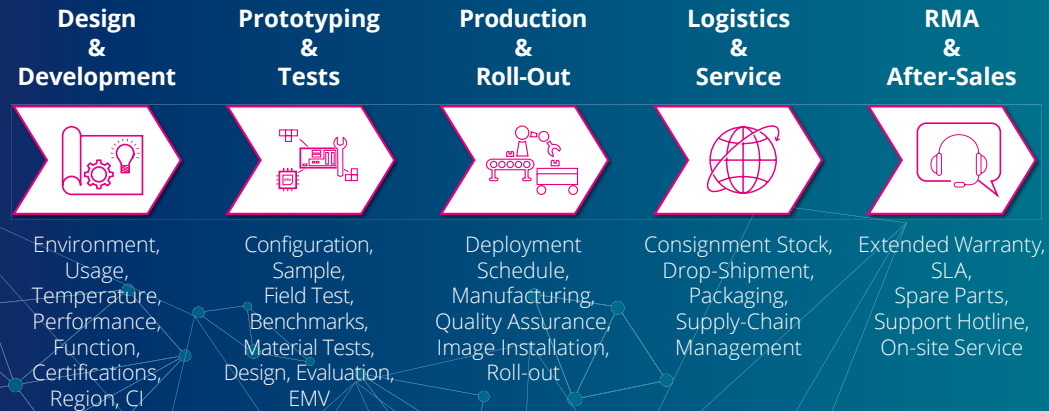## The perfect System Hardware for You


Scalability & Tailor-Made Performance

### Customers have trusted our expertise for 40 years

Within the brand AKHET® Pyramid Computer develops and produces customized IT system solutions. PC modules are built to proven standards, have a modular design and are readily available, even in harsh environments.

We accompany you competently and with the flexibility of a medium-sized company from the product idea to series production and after-sales service.

MADE IN GERMANY

| Design & Development | Prototyping & Tests | Production & Roll-Out | Logistics & Service | RMA & After-Sales |
|---|---|---|---|---|
| Environment, Usage, Temperature, Performance, Function, Certifications, Region, CI | Configuration, Sample, Field Test, Benchmarks, Material Tests, Design, Evaluation, EMV | Deployment Schedule, Manufacturing, Quality Assurance, Image Installation, Roll-out | Consignment Stock, Drop-Shipment, Packaging, Supply-Chain Management | Extended Warranty, SLA, Spare Parts, Support Hotline, On-site Service |

**What we do for you!**

We will find the most suitable solution for your requirements at an attractive price.

### Your Advantages

**Tailor-made**
· Scalability – Tailor-made performance
· Customized chassis
· Own brand identity

**Long-term availability**
· Investment safety
· Lifecycle-Management

**Quality promise**
· Reliability
· Robustness
· Maintenance friendliness
· Certification ISO 9001

**Service**
· Technical Support
· Global Service Program

**Made in Germany**
· Short delivery time
· Free choice of materials
· High quality industrial components

Scan the QR code to watch the video
WATCH NOW

# BoxFlex XS

# BoxFlex XS2

## BoxFlex XS

This most compact IPC is a powerful and scalable product. It is used in numerous industries, such as control technology, the automotive industry, communication technology, medical technology, automation technology, building automation and plant and mechanical engineering. Universal integration in machines, control housings and control cabinets is possible without any problems.

## Highlights

· Low power consumption
· DIN Rail
· I/O ports in front

| Desktop | ✓ |
|---|---|
| DIN Rail Option | ✓ |
| DC | 26V (max) |
| CPU (TDP max) | 25 W |
| Mainboard form factor | NUC |

## BoxFlex XS2

BoxFlex XS2 is a compact variant in the class of TDP 25W. Thanks to the DIN rail mounting and 2 possible 2,5 Gbit/s network interfaces, the BoxFlex XS2 is suitable as an edge device.

Due to the compact design of the metal chassis, the product can also be optimally integrated into machines or other industrial systems.

The AMD Ryzen™-based IPC can be run up to 45°C ambient temperature.

## Highlights

· Low power consumption
· DIN Rail
· I/O ports in front

| Desktop | ✓ |
|---|---|
| DIN Rail Option | ✓ |
| DC | 26V (max) |
| CPU (TDP max) | 25 W |
| Mainboard form factor | NUC |

# BoxFlex S



## BoxFlex S

The BoxFlex S is a compact and powerful system with 64-bit Intel® Core™ CPU and at least 16 GB DDR4 RAM. It can be operated in temperature ranges up to +50 °C and allows an input voltage of 24 V DC.

On the front, the system has 4 x USB 2.0 and 4 x USB 3.0 ports, 2 x 1 GBit Ethernet, 2 x RT Ethernet and optionally 4 x 1 GBit Ethernet via 1 x PCIe. An SSD in the disk tray, the externally replaceable BIOS battery and the tool-free G2 dust filter make the BoxFlex S a very maintenance-friendly system in the industrial environment.

## Highlights

· Compact & easy to service
· Up to 50 °C operational temperature
· G2 dust filter, easy exchangeable
· High performance with Intel® CPU

| | |
|---|---|
| **Wallmount Option** | ✓ |
| **DIN Rail Option** | ✓ |
| **Dust filter option** | ✓ |
| **DC 24 V** | ✓ |
| **Hot-swap HDD tray option** | ✓ |
| **Expansion slots** | **1 x LP** |
| **CPU (TDP max)** | **35 W** |
| **Mainboard form factor** | **mITX** |

# BoxFlex S Plus



## BoxFlex S Plus

With dimensions of 260 mm x 246 mm (WxD) and 2U, the system is a medium compact variant of the BoxFlex series. Thanks to the 2 x 2.5 GBit/s network interfaces and the optional M.2 SIM card slot, the BoxFlex S Plus is suitable as an edge device in the IIoT. Thanks to wall mounting and the dust filter, the platform can be optimally integrated into machines or other industrial systems. Performance is provided by a 64-bit Intel® CPU.



Duct protects all cables plugged in

## Highlights

· High performance in a small space
· Wall mounting
· Front I/O ports
· 1x PCIe x16 Gen4 LP
· Dust filter

| | |
|---|---|
| **Desktop** | ✓ |
| **Wallmount Option** | ✓ |
| **Dust filter** | ✓ |
| **AC** | ✓ |
| **Expansion slots** | **1 x LP** |
| **TDP (CPU max)** | **65 W** |
| **Mainboard form factor** | **mITX** |

# Boxflex M Slim



## BoxFlex M Slim

The BoxFlex M Slim is a powerful system for desktop or wall mounting. With three 80 mm fans, Intel® Core™ CPUs up to 125 W TDP can access full performance. With 4 PCIe extensions and an additional slot, the system achieves maximum versatility for your application. The dust filter protects the components when used in industrial environments.

## Highlights

· Compact & versatile
· Up to +40 °C operational temperature
· G2 dust filter
· 4x PCIe + 1x flexible slot

| | |
|---|---|
| **Wallmount** | ✓ |
| **DIN Rail Option** | ✓ |
| **Dust filter** | ✓ |
| **Expansion slots** | 4+1x LP |
| **CPU (TDP max)** | 125 W |
| **Mainboard form factor** | µATX |

# BoxFlex M



## BoxFlex M

With 5 expansion slots and 2 x 120 mm fans, high performance is possible in a small space. The robust industrial box PC can be operated under harsh conditions due to the G2 dust filter. All connectors are available on the front side. Optionally upgradeable with common camera interfaces like GigE Vision, PoE, USB 3.0, FireWire, CameraLink (CL) and CoaXPress (CXP) the product is suitable for image processing.

## Highlights

· High performance in a small space
· Wall mounting
· Front I/O ports
· 4 x PCIe + 1 x flexible slot with full height
· Dust filter

| | |
|---|---|
| **Desktop Option** | ✓ |
| **Wallmount Option** | ✓ |
| **Dust filter Option** | ✓ |
| **AC** | ✓ |
| **Expansion slots** | 4 + 1 x FH |
| **TDP  (CPU max)** | 125 W |
| **Mainboard form factor** | mITX, µATX |

# VarioFlex 1U Front I/O



VarioFlex 1U Front I/O 300

## VarioFlex 1U Front I/O

VarioFlex 1U Front I/O platforms are characterized above all by their low installation depth starting at just 320 mm. All ports are available on the front.

Thanks to the possible low installation depths, these system platforms are particularly suitable for use in the automation, measurement technology and industrial image processing sectors.

## Highlights

 320 mm installation depth
· Front I/O ports
· Rack mounting

| RACK Option | ✓ |
|---|---|
| AC | ✓ |
| Expansion slots | 1 x FH |
| TDP (CPU max) | 35 W- 70 W |
| Mainboard form factor | mITX, µATX, ATX |



VarioFlex 1U Front I/O 430

# VarioFlex 2U Front I/O



## VarioFlex 2U Front I/O

VarioFlex 2U Front I/O platforms are characterized by their high scalability and wide range of options. Starting from a very compact installation depth of 320 mm, the platform can be developed for almost any network or industrial application thanks to 7 slots.

Thanks to the low installation depth, these system platforms are particularly suitable for use in industries, automation, measurement technology or industrial image processing.

## Highlights

· 320 mm installation depth
· Front I/O ports
· Wide range of options
· Rack mounting without rails possible

| RACK Option | ✓ |
|---|---|
| Dust filter option | ✓ |
| AC | ✓ |
| Hot-swap HDD trays (rear) | ✓ |
| Expansion slots | 7 x LP |
| TDP (CPU max) | 140 W |
| Redundant PSU | ✓ |
| Mainboard form factor | µATX, ATX, E-ATX |

# VarioFlex 4U Front I/O

# VarioFlex 1U Rear I/O

## VarioFlex 4U Front I/O

VarioFlex 4U Front I/O offers a lot of space for high performance with a very small installation depth starting at only 350 mm. As a special feature this front I/O system has space to accommodate up to 4 dual slot graphic cards at full height. Areas of application for this product include computationally intensive 3D applications, high-resolution cameras and learning algorithms.

## Highlights

· Optimized for high-performance applications
· A lot of space for high performance
· Low installation depth
· Front I/O ports & 8 expansions slots
· Intel® Core™ i & Intel® Xeon CPU

| Wallmount Option | ✓ |
|---|---|
| Dust filter option | ✓ |
| AC | ✓ |
| Hot-swap HDD trays | ✓ |
| Expansion slots | 8 x FH |
| TDP (CPU max) | 140 W |
| Mainboard form factor | mITX, µATX, ATX, E-ATX |

VarioFlex 4U Front I/O 350 with fan

## VarioFlex 1U Rear I/O

VarioFlex 1U platforms are characterised above all by their low installation depth from 230 mm.
Rack mounting is possible with this system without rails. Thanks to its low installation depth, the system is particularly suitable for use in the automation, measurement technology and industrial image processing sectors.

## Highlights

· From 230 mm to 460mm installation depth
· Rack mouting

| RACK Option | ✓ |
|---|---|
| AC | ✓ |
| Hot-swap HDD tray option | ✓ |
| Dual Socket CPU | ✓ |
| Expansion slots | 1 x FH |
| Redundant PSU | ✓ |
| LC Display | ✓ |
| TDP (CPU max) | 35 W- 2x95 W |
| Mainboard form factor | mITX, µATX, ATX, E-ATX |

VarioFlex 1U 300

# VarioFlex 2U Rear I/O

# Essential 1U





## VarioFlex 2U Rear I/O

The VarioFlex 2U platforms feature high performance through dual sockets combined with extensive options with 7 expansion slots. With a maximum installation depth of 640 mm, the chassis offers maximum flexibility for additional components.

## Highlights

· Dual Socket for highest performance
· Wide range of options

| RACK Option | ✓ |
|---|---|
| AC | ✓ |
| Hot-swap HDD trays | ✓ |
| Dual Socket CPU | ✓ |
| Redundant PSU option | ✓ |
| LC Display Option | ✓ |
| Expansion slots | 7 x LP |
| TDP (CPU max) | 2 x 140 W |
| Mainboard form factor | µATX, ATX, E-ATX |

## Essential 1U

The AKHET® Essential 1U is a versatile storage server with high storage density through 10 hot-swap drives. With support for Intel® Xeon® Scalable Processors 5th Gen and AMD EPYC™ 9005/9004 server processors, NVME and SAS/SATA backplane, the server offers high I/O throughput and computing power in a compact 1U chassis for today's enterprise networking, virtualization or High Availability applications.

## Highlights

· 10 hard drive trays (tool-free)
· Redundant power supply unit
· Intrusion switch and IPMI
· Tool-free rack rail

| NVME, SAS, SATA | ✓ |
|---|---|
| Drives | 10x 2,5" |
| Hot-swap HDD trays | ✓ |
| Expansion slots | 1x PCIe 5.0 x16 |
| RAM | DDR5 ECC Reg. 256 GB max. |
| LAN onboard | 2x 10GbE, 2x 1GbE |
| Operating systems | Windows Server 2025, Linux, VMWare ESXi 8.0 |

# Essential 2U

# VarioFlex 2U RIO DUAL GPU





## Essential 2U

The AKHET® Essential 2U offers impressive storage capacity as a very flexible storage server. The 24 bays can be equipped with NMVE, SATA or SAS drives and provide up to 66 TiB of usable storage space. It delivers high I/O performance and low latency for mission-critical applications. The integration of Intel® Xeon® Scalable Processors 5th Gen. or AMD EPYC™ 9005/9004 server processors guarantees best performance for virtualization, database and big data applications.

## Highlights

· 24 hard drive trays (tool-free)
· Redundant power supply unit
· Intrusion switch and IPMI
· Tool-free rack rail

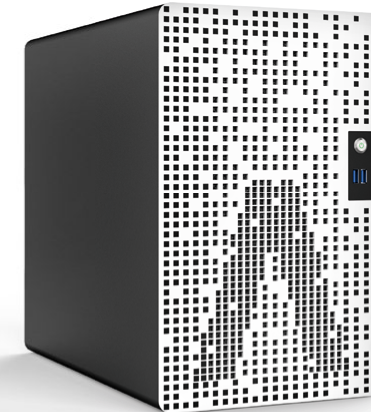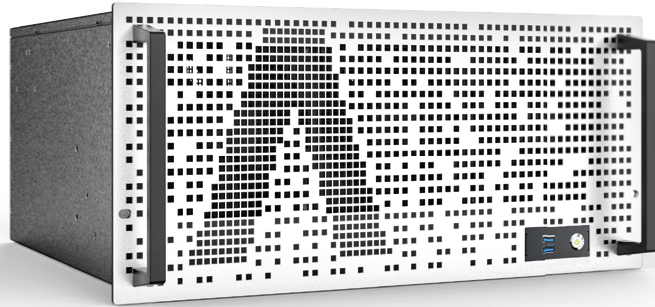| NVME, SAS, SATA | ✓ |
|---|---|
| Drives | 24x 2,5" |
| Hot-swap HDD trays | ✓ |
| Expansion slots | 5x PCIe 5.0 |
| RAM | DDR5 ECC Reg. 256 GB max. |
| LAN onboard | 2x 10GbE, 2x 1GbE |
| Operating systems | Windows Server 2025, Linux, VMWare ESXi 8.0 |

## VarioFlex 2U RIO DUAL GPU

Powerful 2U rack server with up to 2 GPUs NVIDIA RTX 4000 Ada.
The outstanding power density, supported by Intel® Xeon® CPUs, DDR5 ECC RAM and PCIe 5.0 technology, enables a wide range of applications in the areas of Banking and calculation, data centers, virtual GPUs.
Robust chassis design with replaceable dust filter protects the high-quality components permanently.

## Highlights

· Compact industrial grade rack chassis
· Replaceable dust filter
· High graphics performance thanks to dual GPU

| RACK Mount | 19" |
|---|---|
| Hot-swap HDD trays | ✓ |
| Datacenter CPU | ✓ |
| DDR5 RAM | ✓ |
| TDP (CPU max) | 350 W |
| Workstation GPUs | 2 |

# VarioFlex 5U RIO

# Tower



## VarioFlex 5U RIO

As a high-end server, it combines outstanding processing power with a rack chassis optimized for versatility. Ideal for rendering realistic scenarios, training AI models, playing the largest signage arrays with 8K content and encoding & decoding video streams in real time. Use this computing power to significantly increase the effectiveness of your workloads.

## Highlights

· Quiet, thermal airflow concept
· Industrial grade design chassis
· Maximum I/O throughput

| RACK Option | ✓ |
|---|---|
| AC | ✓ |
| Hot-swap HDD trays | ✓ |
| TDP (CPU max) | 350 W |
| Mainboard form factor | ATX |
| Expansion slots | 7 x PCIe 5.0 x16 |

## Tower
Professional Workstation

AKHET® Tower is a workstation PC for professional environments and applications. Optimum price performance through possible use of dual-slot consumer GPUs up to 38 cm in length.
High throughput performance for professional applications in the areas of graphics and video editing, CAD, virtual workstations and AI training are provided by a 64-bit server CPU, DDR5 RAM and PCIe 5.0 technology.

## Highlights

· Quiet, thermal airflow concept
· High performance
· Custom printable front panel

| Design Chassis | ✓ |
|---|---|
| TDP (CPU max) | 170 W |
| GPU (RTX4070) | 2x |
| Expansion slots | 2 x PCIe 5.0 x16 |
| Card holder GPU | ✓ |

# Tower Big
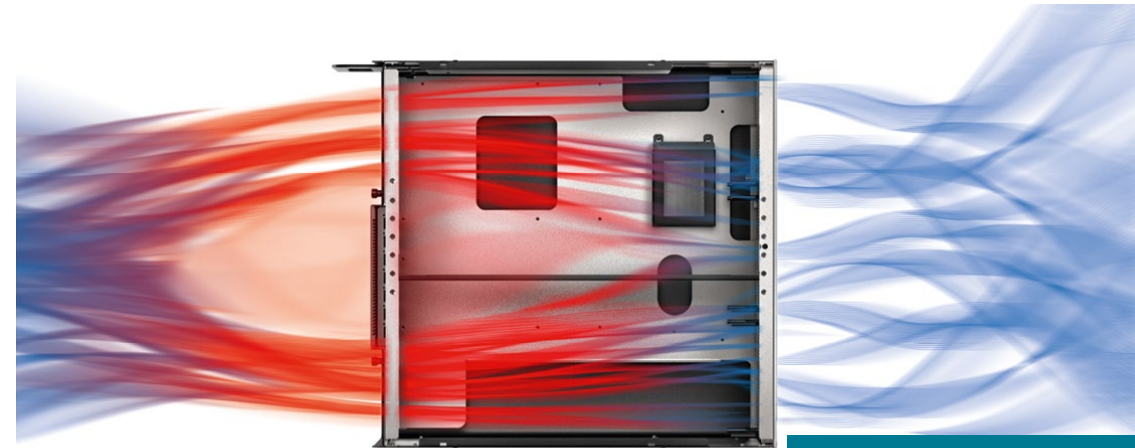


## Tower Big
### High-End Workstation

This high-end workstation combines outstanding processing power with a workstation tower optimized for versatility. Use it to render realistic scenarios, train your AI model, power the largest signage arrays with 8K content and encode / decode video streams in real time.
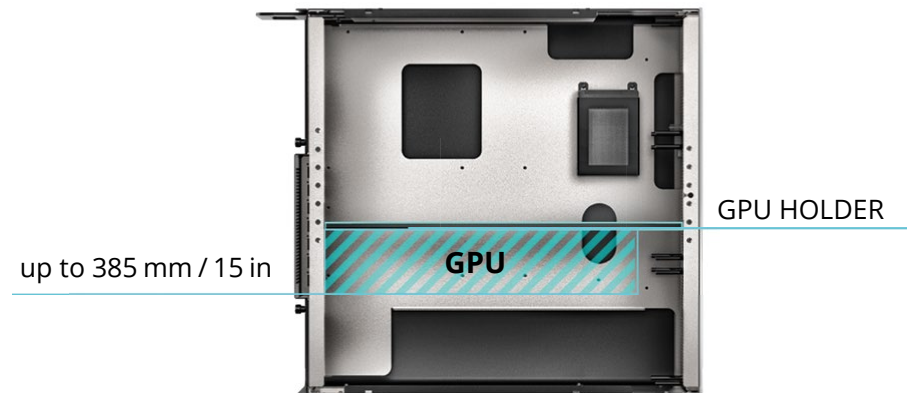


## Highlights

· Quiet, thermal airflow concept
· Dual RTX4090
· Custom printable front panel

| Design Chassis | ✓ |
|---|---|
| TDP (CPU max) | 350 W |
| Mainboard form factor | ATX |
| GPU (RTX4090) | 2x |
| Card holder GPU | ✓ |



Thermal airflow concept



GPU HOLDER

up to 385 mm / 15 in    GPU

Graphic card holders prevent damage during transport

# Notes

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