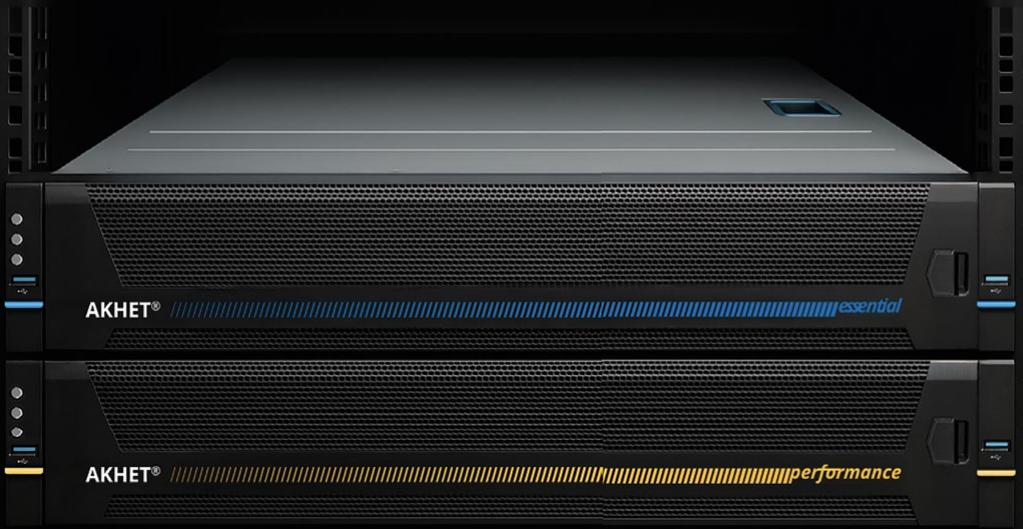




INDUSTRIAL PC  
&  
SERVER SOLUTIONS



FLEXIBLE, RELIABLE & POWERFUL

# PYRAMID COMPUTER

## IT HARDWARE SPECIALIST



Scalability & Tailor-Made Performance

Customers have trusted our expertise for 40 years

Pyramid Computer is the specialist for the development and production of standardized and individualized hardware solutions.

Our systems make demanding customers successful:

In industry, optical electronics, cybersecurity, medical and automation technology, sensor technology, banking, retail, hospitality, healthcare, transportation and entertainment.

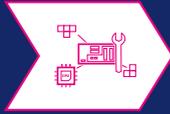
**MADE IN**   
**GERMANY** 

## Design & Development



Environment, Usage, Temperature, Performance, Function, Certifications, Region, CI

## Prototyping & Tests



Configuration, Sample, Field Test, Benchmarks, Material Tests, Design, Evaluation, EMV

## Production & Roll-Out



Deployment Schedule, Manufacturing, Quality Assurance, Image Installation, Roll-out

## Logistics & Service



Consignment Stock, Drop-Shipment, Packaging, Supply-Chain Management

## RMA & After-Sales



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 and watch the video



# IT HARDWARE SOLUTIONS

## PC and server solutions from AKHET®

AKHET® combines performance, functionality, design and compact dimensions - both in our standard products and in a flexible platform for OEM solutions.

Take advantage of the opportunity to adapt the components, front panels and color design of the enclosure precisely to your specific application and corporate design. The result is a solution that is not only technically impressive, but also perfectly represents your company.

Whether workstation, server solution or specialized industrial PC - with AKHET® you get either an immediately available standard product or a tailor-made OEM variant that strengthens your brand and optimally meets your IT requirements.

Rely on AKHET® - and turn your IT solutions into a flagship for innovation and professionalism.

## Our hardware is versatile:

- Industry: Remote maintenance of production systems
- IoT & data analysis: recording decentralized operating data
- Corporate IT: Operation of complex HR applications
- Security solutions: Securing critical infrastructures

AKHET® has been a reliable partner for IT service providers and independent software vendors (ISV). Our future-proof turnkey solutions with long-term availability are an indispensable part of modern value chains - individually tailored to your needs.



# MINI-INDUSTRIAL PC



## AKHET® Railon Ultralite a

The Railon Ultralite a is a highly compact and lightweight industrial system with an integrated AMD Ryzen™ CPU and Radeon™ graphics.

The memory is designed for up to 32 GB, the boot drive for up to 2 TB.

In relation to its size, the system shines with excellent performance and a wealth of possible applications as a control unit in the automotive industry, communications, automation and medical technology as well as plant and mechanical engineering.

## Highlights

- Low power consumption
- DIN rail
- I/O ports in front

<b>Desktop</b>	✓
<b>DIN Rail Option</b>	✓
<b>DC</b>	<b>24V (max)</b>
<b>TDP (CPU max)</b>	<b>25 W</b>
<b>Mainboard form factor</b>	<b>e-NUC</b>

# INDUSTRIAL PC



## AKHET® Railon Pro i

The Railon Pro i is a compact system that can be equipped with Intel® Core™, Celeron™ or Pentium™ CPUs, depending on the performance requirements of the application.

At 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.

The Railon Pro i is the expandable all-rounder for classic control tasks in an industrial environment.

## Highlights

- Compact & easy to service
- Up to 35 °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
TDP (CPU max)	35 W
Mainboard form factor	MITX

# INDUSTRIAL PC



## AKHET® Motion Lite i

Dimensions of just 260 mm × 246 mm (W×D) and 2U make the system the most compact variant in the Motion series. A 12th to 14th generation Intel® processor ensures performance. The Motion Lite is ready for Bartlett Lake CPUs.

With two 2.5 GBit/s network interfaces that support time-sensitive networking and the optional M.2 SIM card slot, the Motion Lite is suitable for machine control, process visualization (HMI, SCADA) and as an edge device for standard data processing in the IIoT.

## Highlights

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

<b>Desktop</b>	✓
<b>Wallmount Option</b>	✓
<b>Dust filter</b>	✓
<b>AC</b>	✓
<b>Expansion slots</b>	<b>1 x LP</b>
<b>TDP (CPU max)</b>	<b>65 W</b>
<b>Mainboard form factor</b>	<b>µATX</b>

# INDUSTRIAL PC



## AKHET® Motion Slim i

The Motion Slim is a powerful IPC system for desktop or wall mounting. The 80 mm housing fans ensure that current and future (Bartlett Lake) Intel® Core™ CPUs can develop their full performance.

With four PCIe expansions and an additional slot, the system offers maximum versatility for a wide range of applications. An integrated dust filter reliably 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

<b>Desktop</b>	✓
<b>Wallmount Option</b>	✓
<b>Dust filter</b>	✓
<b>Expansion slots</b>	4+1x LP
<b>TDP (CPU max)</b>	125 W
<b>Mainboard form factor</b>	µATX



# INDUSTRIAL PC



## AKHET® Motion Pro i

With the latest Intel® processor technology (12th/13th/14th gen.), 17 front-side connections and 5 expansion slots, the compact IPC is suitable for the most demanding application scenarios. The Motion is ready for Intel® Bartlett Lake CPUs.

The Motion Pro can be easily equipped with common camera interfaces such as GigE Vision, PoE, USB 3.0, FireWire, CameraLink (CL) and CoaXPress (CXP) as well as GPUs.

## 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

<b>Desktop</b>	✓
<b>Wallmount Option</b>	✓
<b>Dust filter</b>	✓
<b>AC</b>	✓
<b>Expansion slots</b>	4 + 1 x FH
<b>TDP (CPU max)</b>	125 W
<b>Mainboard form factor</b>	µATX

# EDGE GATEWAY



## AKHET® Aeron Lite i

The Aeron Lite i is the perfect solution for energy-saving edge computing.

With the Intel® Alder Lake Atom™ X7425E, the system offers an excellent balance of performance and energy efficiency - with minimal space requirements.

On the interface side, 4 × GbE, 4 × USB 3.2 Gen2, RS-232/422/485 as well as HDMI and DP are available. The functionality of the system can be expanded modularly via a MezIO® interface (e.g. additional interfaces or CAN bus).

## Highlights

- Intel® Alder Lake Atom™ X7425E for efficient edge computing
- Ultra-compact design
- Multiple interfaces

<b>DIN Rail</b>	✓
<b>Wallmount Option</b>	✓
<b>DC</b>	<b>12V-35V</b>
<b>TDP (CPU max)</b>	<b>12W</b>
<b>Operating temperature</b>	<b>-25°C - 70°C</b>

# EDGE GATEWAY



## AKHET® Aeron Max i

The Aeron Max i offers high computing power in a small space, especially for versatile edge computing scenarios.

It supports Intel® 14th Gen Core™ CPUs up to i7 and thus serves demanding industrial applications.

With 4 × 2.5 GbE ports for plenty of bandwidth, multiple USB ports, COM interfaces, DIO, VGA and DisplayPort, it offers lightning-fast and comprehensive connectivity.

Data storage is available via a hot-swappable HDD/SSD tray and an NVMe interface (PCIe Gen4 x4).

## Highlights

- High computing power and energy efficiency
- Compact, robust design
- Expansion options for specific I/O or storage requirements

Wallmount	✓
DIN Rail Option	✓
DC	8V-48V
TDP (CPU max)	25 W
Operating temperature	-25°C - 60°C

# INDUSTRIAL SERVER



## AKHET® Endurance R1U225i

Endurance R1U225i is a compact 1U rack server and is characterized above all by its low installation depth from 225 mm.

It is primarily designed for energy efficiency and stable continuous operation. With its Intel® Atom processor, it is aimed less at maximum performance and more at reliable availability with low power consumption.

Particularly noteworthy are the four Gigabit Ethernet interfaces, which predestine the server for network applications, edge gateway functionalities or redundant connectivity.

## Highlights

- Minimum installation depth
- Rack mounting
- 1 x PCIe x2 (in x8 Slot)

Rack Option	✓
AC	✓
Expansion slots	1 x PCIe x2 (in x8 Slot)

# INDUSTRIAL SERVER



## AKHET® Endurance R1U300i

Endurance R1U300i is a compact industrial server. With a height of just 1U and an installation depth from 300 mm, it is designed for high density at edge locations or data centers.

It combines Intel® Core™ i5/i7 CPUs, the latest DDR5 memory technology with up to 64 GB RAM, fast NVMe storage and comprehensive remote management via IPMI/BMC.

Its strengths lie in applications with medium computing power requirements and its reliability in continuous operation.

## Highlights

- High performance in a small space
- Rack mounting
- 1 x PCIe x16 LP

<b>Rack Option</b>	✓
<b>AC</b>	✓
<b>Expansion slots</b>	<b>1 x LP</b>
<b>TDP (CPU max)</b>	<b>95 W</b>

# INDUSTRIAL SERVER



## AKHET® Endurance F1U300i

The Endurance F1U300i is a powerful 19" rack server with front I/O ports in 1U format.

With an installation depth of 300 mm, the system is particularly suitable for confined spaces.

The F1U300i is optimized for data centre environments and demanding edge server scenarios. Thanks to Xeon CPUs from the E-2400/6300 series, up to 128 GB DDR5 memory and fast NVMe storage options, it is designed for virtualization, database operation and compute-intensive workloads.

## Highlights

- 300 mm installation depth
- Front I/O ports
- Rack mounting

<b>Rack Option</b>	✓
<b>AC</b>	✓
<b>Expansion slots</b>	<b>1 x FH</b>
<b>TDP (CPU max)</b>	<b>35 W- 70 W</b>
<b>Mainboard form factor</b>	<b>µATX</b>

# INDUSTRIAL SERVER



## AKHET® Endurance F4U350i

The Endurance F4U350i is a compact and performance-optimized server platform in 4U format that offers extensive expansion options despite its low installation depth (350 mm).

Particularly noteworthy is the option of integrating up to four dual-slot GPUs.

With support for up to 128 GB DDR5 memory and a choice of Intel® Core™ i3, i5, i7 or i9 processors (12th/13th/14th gen), the system is highly scalable for broad adaptability to different budget and performance requirements.

## Highlights

- Optimized for high-performance applications
- Low installation depth
- Front I/O ports & 8 expansion slots
- Intel® Core™ i

<b>Rack Option</b>	✓
<b>Dust filter</b>	✓
<b>AC</b>	✓
<b>Hot-swap HDD trays</b>	✓
<b>Expansion slots</b>	<b>8 x FH</b>
<b>TDP (CPU max)</b>	<b>140 W</b>
<b>Mainboard form factor</b>	<b>ATX</b>

# NETWORK SERVER



## AKHET® Essential 1U

The AKHET® Essential 1U is the ideal solution for companies that require a powerful and space-saving server infrastructure. With only one height unit (1U), this storage server offers impressive computing and storage performance for demanding applications in data centers, cloud environments and enterprise networks.

The AKHET® Essential 1U supports both Intel® Xeon® processors and AMD EPYC™ server processors, allowing you to choose the optimal CPU architecture for your specific requirements. The high core count and efficient multithreading technology enable outstanding performance for data-intensive workloads.

## Highlights

- 10 tool-free hard disk bays
- Redundant power supply unit
- IPMI Server Management
- Tool-free rack rail

<b>NVME, SAS, SATA</b>	✓
<b>Drives</b>	10x 2,5"
<b>Hot swap</b>	✓
<b>Expansion slots</b>	1x PCIe 5.0 x16
<b>RAM</b>	DDR5 ECC Reg. 256 GB max.
<b>LAN onboard</b>	2x 10GbE, 2x 1GbE
<b>Operating systems</b>	Windows Server 2025, Linux, VMWare ESXi 8.0 Proxmox VE

# NETWORK SERVER



AMD  
EPYC

intel  
XEON

## AKHET® Essential 2U

AKHET® Essential 2U combines high computing power with impressive storage capacity with max. 24 drives in a compact 2U form factor. Designed for demanding workloads, this server offers the perfect solution for data-intensive applications, cloud environments and enterprise IT infrastructures.

The AKHET® Essential 2U supports both Intel® Xeon® Scalable processors and AMD EPYC™ server processors, making it optimized for a wide range of computing workloads. Thanks to its high core count, fast multithreading technology and state-of-the-art memory architecture, it is ideal for virtualization, databases and big data applications.

## Highlights

- 24 tool-free hard disk bays
- Redundant power supply unit
- IPMI Server Management
- Tool-free rack rail

<b>NVME, SAS, SATA</b>	✓
<b>Drives</b>	24x 2,5"
<b>Hot swap</b>	✓
<b>Expansion slots</b>	5x PCIe 5.0
<b>RAM</b>	DDR5 ECC Reg. 256 GB max.
<b>LAN onboard</b>	2x 10 GbE, 2x 1 GbE
<b>Operating systems</b>	Windows Server 2025, Linux, VMWare ESXi 8.0 Proxmox VE

# STORAGE SERVER



## AKHET® Essential Store 2U

AKHET® Essential Store 2U combines high computing power with exceptional storage capacity in a compact 2U chassis. Designed for demanding workloads, this server offers the perfect solution for networked storage systems, backup environments and enterprise IT infrastructures.

Highest network performance for data transfer  
Fibre Channel is the highest standard for network storage connectivity in cloud environments and enterprises. In the AKHET® Essential Store 2U can be used to transfer data by Fibre Channel can be accelerated with correspondingly low latency.

## Highlights

- 5th Gen Intel® Xeon® Scalable processors or AMD EPYC™ 9005 Series
- Up to 24 hot-swappable 3,5" drives for maximum storage capacity
- Flexible storage mix with NVMe and SSD boot drive and HDD options

<b>Rack Option</b>	<b>19"</b>
<b>Drives</b>	<b>24 x 3,5"</b>
<b>RAM</b>	<b>DDR5 ECC Reg. 256 GB max.</b>
<b>Operating systems</b>	<b>Windows Server IOT 2025 for Storage</b>

# DUAL CPU SERVER



Azure Local Certified



## AKHET® Performance 1U

AKHET® Performance 1U combines high computing power with the versatility for network requirements up to high-performance computing. Designed for demanding workloads, this server offers the optimal solution for general storage and networking requirements through to high-performance computing (HPC), analytics and AI.

In the AKHET® Performance 1U, up to 144TB of NVMe storage can be accessed via 200Gb QSFP112 connections. This enables faster results across a wide range of workloads.

## Highlights

- Support current gen. Intel® Xeon® Scalable Server Processors
- Up to 12 hot-swappable 2.5" drives
- HQSFP112 for low latency and high data transfer (optional)

<b>Rack Option</b>	<b>19"</b>
<b>Drives</b>	<b>12x 2,5"</b>
<b>RAM</b>	<b>DDR5 ECC Reg. 2TB max.</b>
<b>Operating systems</b>	<b>Windows Server 2025, Azure Local 24H2, VMWare ESXi 8.0 Update 3, Proxmox VE</b>

# DUAL CPU SERVER



## AKHET® Performance 2U

AKHET® Performance 2U extends high computing power with exceptional storage capacity to meet the demands of high-performance computing. Designed for demanding workloads, this server offers the optimal solution for general storage and networking requirements, as well as high-performance computing (HPC), analytics, and AI.

In the AKHET® Performance 2U, up to 300TB NVMe storage can be accessed via 200Gb QSFP112 connections. With an optional data center GPU, the fastest results are also possible in AI and inference calculations.

## Highlights

- Support current gen. Intel® Xeon® server processors
- Up to 24 hot-swappable 2.5" drives
- HQSFP112 for low latency and high data transfer (optional)

<b>Rack Option</b>	<b>19"</b>
<b>Drives</b>	<b>24 x 2,5"</b>
<b>RAM</b>	<b>DDR5 ECC Reg. 2TB max.</b>
<b>Operating systems</b>	<b>Windows Server 2025, Azure Local 24H2, VMWare ESXi 8.0 Update 3, Proxmox VE</b>

# WORKSTATION



## AKHET® Tower

AKHET Tower is a workstation PC for professional environments and applications. Optimum price performance through the 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 is guaranteed by the 64-bit server CPU, DDR5 RAM and PCIe 5.0 technology.

## Highlights

- Design chassis and panel
- 2x RTX4080 family GPUs
- AMD Ryzen™ Threadripper™ PRO
- Quiet thanks to triple fan concept
- 2TB R-DIMM DDR5 max.

<b>Design Chassis</b>	✓
<b>TDP (CPU max)</b>	<b>170 W</b>
<b>GPU (RTX4070)</b>	<b>2x</b>
<b>Expansion slots</b>	<b>2 x PCIe 5.0 x16</b>
<b>Card holder GPU</b>	✓

# WORKSTATION



## AKHET® Tower Big

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.

It can accommodate the latest and largest RTX GPU family such as RTX4080 Super or RTX4090. And that twice over.

## Highlights

- Design chassis and panel
- 2x RTX4080 family GPUs
- AMD Ryzen™ Threadripper™ PRO
- Quiet thanks to triple fan concept
- 2TB R-DIMM DDR5 max.

### Design Chassis

CPU (TDP max)

✓  
350 W

Mainboard form factor

ATX

GPU (RTX4090)

2x

Card holder GPU

✓





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