# High-Performance Edge AI Industrial PC



## KBox B-204-RPL

kontron The Power of IoT × intel

## Powerful Industrial PC for Edge AI Powered by Intel® Core™ Processors (Series 2) with P-cores

The KBox B-204-RPL is a powerful industrial PC based on the Kontron mITX motherboard designed and manufactured in Germany, supporting Intel® Core™ Processors (Series 2) with P-cores. This enables performance-hungry applications such as high-end image processing, artificial intelligence or machine learning to be realized.

The KBox B series from Kontron not only impresses with its high computing power, but also with its versatile expandability, compact design, and low noise level ('whisper-quiet operation'). It also offers an easily accessible drive bay, allowing a 2.5-inch SSD and a 3.5-inch HDD or two M.2 SSDs (RAID 1) to be integrated, enabling a maximum storage expansion of up to 20TB.

The new industrial PCs are versatile and space-saving thanks to their compact design and various mounting options. Customized adaptions can be implemented quickly and without design risk thanks to the modular design.

***Powerful* industrial PC for Edge AI *based on the Kontron mITX motherboard and powered by Intel® Core™ Processors (Series 2) with P-cores***

## Intel Products and Technologies

Accelerating AI and Analytics at the Edge

intel CORE

Intel® Core™ Processors

intel graphics

Intel® UHD Graphics

intel ETHERNET

Intel® Ethernet

## Key Features

Empowered by Intel.

- High Processing Power
- Flexible Housing Design
- High-Speed DDR5 Memory
- Various Storage Options

# Kontron KBox B-204-RPL





intel ai

Intel® AI Edge Systems

## Product Specifications

| | |
|---|---|
| CPU | Up to Intel® Core™ Processors (Series 2) with P-cores |
| Graphics | Intel® UHD Graphics 770 (iGPU) ▪ 87.7 GB VRAM ▪ 32 EUs ▪ i915 |
| Memory | 96.0 GB (93.8 GB usable) ▪ 91.9 GB available (2% used) ▪ 2 of 2 slots |
| Storage | M.2 PCIE/NVMe ▪ 931.5 GB capacity |
| Wireless Network | Wi-Fi® 6 |
| LAN | 1x 2.5GbE: Intel® Ethernet Controller I226-LM (Wake-on-LAN)<br>1x 1GbE: Intel® Ethernet Connection I219-LM (Wake-on-LAN) |
| Operating / Storage Temp. | 0°C ~ 45°C / -25°C ~ 70°C |
| Dimension (W x D x H) | 190mm x 190mm x 120mm |
| Weight | Approx. 3.0 kg |
| OS | Linux |
| I/O (Input/Output) | Front: 2x USB 3.2 Gen2 / Power Button with integrated power LED<br>Rear: 4x DisplayPort V1.4a<br>3x USB 3.2 Gen 2, 1x USB 3.2 Gen 2 (Type-C ), 4x USB 2.0<br>1x 2.5GbE: Intel® i226LM (Wake-on-LAN)<br>1x 1GbE: Intel® i219LM (Wake-on-LAN)<br>1x COM port RS232/422/485<br>1x Line in, 1x Line out |

## Learn More

Kontron KBox B-204-RPL

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