

KBox B-203-RPL

Embedded Box PC



High-Performance Industrial PC with a wide range of expansion options

- High processing power: 14th Gen Intel® Core™ i9/i7/i5/i3 and Intel® Processor 300
- High-speed DDR5 memory, up to 96 GB
- Flexible housing design for easy integration e.g. in control consoles, diagnostic/laboratory devices...
- Kontron cooling concept for high performance application at a very low noise level ('whisper quiet')
- Various storage options

PROCESSORS	CPU MAX. NUMBER OF CORES MAX. SPEED SYTEM CHIPSET BIOS	14th Gen Intel® Core™ i3-14100T/i5-14500T/i7-14700T/i9-14900T Intel®300T 24-Core (8x P-Core + 16x E-Core) P-Core: 1.8 GHz/5.2 GHz (Burst) ** E-Core: 1.3 GHz** Intel® Q670E AMI® Aptio 5.x (UEFI) BIOS modified and adapted by Kontron
MEMORY	TECHNOLOGY MAX. CAPACITY SOCKET	DDR5-4800/5600* MHz Up to 96 GByte 2x SODIMM
GRAPHICS	GRAPHICS CORE MAX. RESOLUTION	Intel® Core™ i5/i7/i9: Intel® UHD Graphics 770 Intel® Core™ i3: Intel® UHD Graphics 730 Intel® 300T: Intel® UHD Graphics 710 7680 x 4320 @ 60Hz
FRONT INTERFACES	USB BUTTON / LED	2x USB 3.2 Gen2 Power Button with integrated power LED
REAR INTERFACES	GRAPHICS PORTS USB ETHERNET SERIAL PORTS AUDIO	4x DisplayPort V1.4a 3x USB-A 3.2 Gen 2, 1x USB-C 3.2 Gen 2, 4x USB-A 2.0 1x 2.5GbE: Intel® i226LM (Wake-on-LAN) 1x 1GbE: Intel® i219LM (Wake-on-LAN) 1x COM port RS232/422/485 1x Line in, 1x Line out
STORAGE	M.2 PCIE/NVME PCIE MEMORY EXPANSION	1x M.2 Key-M 2242/2280 SSD socket on board 1x M.2 Key-M 2280 on optional PCIe riser (Raid 0; 1 possible)
EXPANSION SLOTS	M.2 WIRELESS	1x M.2 Key-E 2230 socket
SOFTWARE SUPPORT	OPERATING SYSTEM TOOLSET	Win 11 IoT Enterprise LTSC, Linux Debian KontronOS*** KontronGrid**** Kontron FabEagle®Connect*****
POWER	INPUT VOLTAGE RANGE	90 to 264 VAC (150 W, external power supply) 24 VDC (160 W, optional)
MECHANICAL	CONSTRUCTION MOUNTING DIMENSIONS (W x H x D) WEIGHT	Fire Zink coated Steel (Chassis and optional/removable Front Panel) Desktop, Wall mount, VESA 190 x 60 x 190 mm (7.48" x 2.36" x 7.48") approx. 2.0 kg (4.4 lbs)
ENVIRONMENT	COOLING OPERATING TEMPERATURE RELATIVE HUMIDITY	With PWM controlled CPU fan 0 °C to +45 °C (32 °F to 113 °F) 93 % RH at 40 °C, non-condensing
APPROVALS	CERTIFICATIONS	UL 62386 (TÜV)/CB/CE/FCC/UKCA (currently under test)

P-Core: Performance-Core
E-Core: Efficient-Core

* Support for DDR5-5600 pending. Requires Intel® Core™ i7 or i9 processor

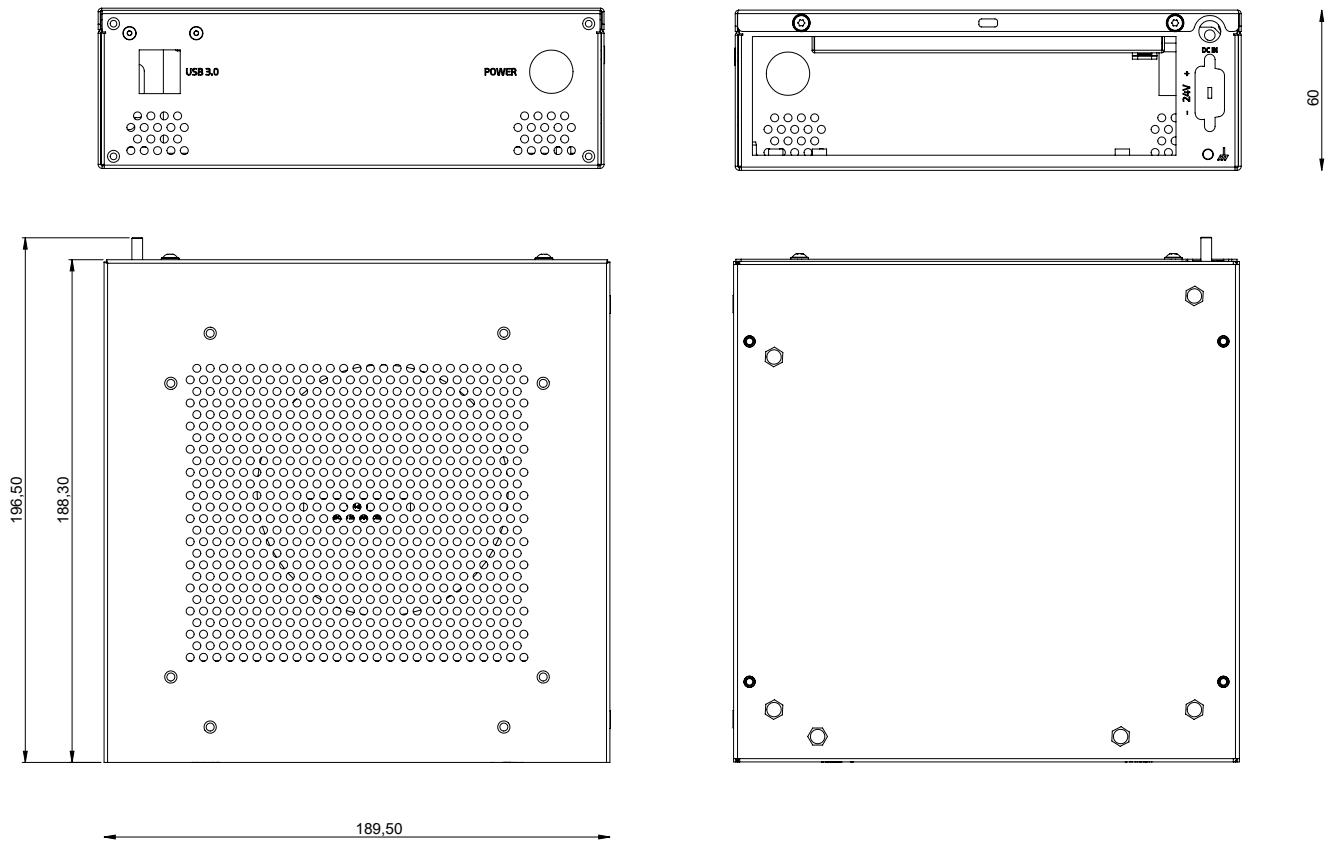
** clock will be set to embedded requirements

***KontronOS: Hardened Linux®-based operating system for the reliable operation of customer applications on edge devices

****KontronGrid: Complete fleet management solution for edge devices and container based applications

*****FabEagle®Connect: Low-code integration solution for standardized data interfaces for machines and IoT applications

More information: www.susietec.com/en/solutions/software



Accessories

ARTICLE	PART NO.	DESCRIPTION
AC POWER SUPPLY	1064-8948	90 to 264 VAC, 150 W PSU
POWER CORD EU	0-0064-2173	Euro (Type A), 2.5 m
POWER CORD UK	0-0064-4173	UK (Type C), 2.5 m
POWER CORD US	0-0064-4317	US, 2m
MOUNTING BRACKET	10199-006-00	Steel plate for wall mount

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