

KBox B-201-CFL



High-end computing in a small footprint for
noise sensitive environments

- ▶ High processing capability: 8th Gen Intel® Core™ i3/i5/i7
- ▶ Small form factor with mITX motherboard
- ▶ Removable 2,5" SSD
- ▶ Low noise design
- ▶ Various mounting options

POSSIBILITIES START HERE



KBox B-201-CFL

The Kontron KBox B-201-CFL is part of the new Kontron Embedded BoxPC B-Series designed for high performance needs in a small form factor.

Based on 8th Gen Intel® Core™ i3/i5/i7 with a miniITX motherboard, the KBox B-201-CFL features high processing capability according to long-term availability.

Various mounting options guarantee flexibility for multiple use cases, e.g. behind a monitor, horizontal and vertical wall mounting or as desktop version.

Typical applications are image processing, plant data collection and manufacturing execution systems.

Futhermore the front case design can easily be customized to meet individual requirements.

► TECHNICAL INFORMATION

PROCESSOR	CPU	8th Gen Intel® Core™ i3/i5/i7 Intel® i3-8100 (4x 3.6 GHz) Intel® i5-8500 (6x 3.0 GHz) Intel® i7-8700 (6x 3.2 GHz)
PLATFORM CONTROLLER HUB	SYSTEM CHIPSET	Intel® H310 Express Chipset
MISCELLANEOUS	SECURITY BIOS	TPM V2.0, Kontron APPROTECT on request AMI® Aptio 5.x
MEMORY	TECHNOLOGY CAPACITY	DDR4-2666 UDIMM 8/16/32 GByte, non ECC SODIMM
GRAPHICS	GRAPHICS ENGINE	Internal Intel® UHD 630 Graphics, DX12
FRONT I/O	POWER ON USB	Power Button with status LED 2x USB 3.0
REAR I/O	GRAPHICS PORTS AUDIO USB ETHERNET PS/2 SERIAL PORTS	1x DVI-D, 1x DisplayPort V1.2 1x Line in, 1x Line out 3x USB 2.0, 2x USB 3.1 Gen 1 2x LAN (10/100/1000 MBit/s (WoL)) 1x PS/2 Mouse, 1x PS/2 Keyboard 1x Serial (COM1, RS232)
STORAGE	REMOVABLE DRIVES INTERNAL DRIVES	1x 2.5" SSD SATA III / SATA-600 1x M.2 (2280, 2260, 2242)
EXPANSION	miniPCIe/M.2	1x miniPCIe half size and M.2 2260/2242 or 1x miniPCIe fullsize and M.2 2242 or 1x M.2 2280
SOFTWARE SUPPORT	MICROSOFT WINDOWS® LINUX	Windows® 10 IOT Enterprise LTSB Yocto
MECHANICAL	CONSTRUCTION FRONT COOLING DIMENSIONS (W x H x D) WEIGHT MOUNTING	Continuously hot-dip zinc coated mild steel sheet, according EN10215 Aluminium Internal silent fan 190 x 60 x 190 mm Approx. 2 kg Desktop (horiz. & vertical), Wall mount (horiz. & vertical), VESA mount
ENVIRONMENT	OPERATING TEMPERATURE STORAGE TEMPERATURE RELATIVE HUMIDITY OPERATING VIBRATION OPERATING SHOCK ALTITUDE NOISE LEVEL	0 °C to +45 °C (32 °F to 113 °F) -20 °C to +80 °C (-4 °F to 176 °F) 93 % @ 40 °C, non-condensing 5-500 Hz, 1G acc. IEC 60068-2-6 half sine, 15 g, 11 ms acc. IEC 60068-2-27 5000 m (16400 ft) ≤ 34 dB(A) at 25 °C, Sea level, 1 m, Full CPU/GPU load
RELIABILITY	MTBF	62257 h at 40 °C
APPROVALS	CE, CB, NRTL	EMC: EN 55032:2012, class B, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 55024:2010 NOTE: with external power supply provided by Kontron Safety: IEC 62368-1:2014, EN 62368-1:2014, UL 62-368-1:2014-12, CAN/CSA-C22.2 No. 62368-1:2014-12 NOTE: with external power supply provided by Kontron
POWER SUPPLY (EXTERNAL)	INPUT VOLTAGE RANGE	90 to 264 VAC (external power supply) 24 VDC (on request)
ACCESSORIES	CERTIFICATIONS POWER SUPPLY MOUNTING	CE, UL, BIS, CCC, EAC 1x AC power supply, 1x AC power cord (including) Desktop chassis feet (including), Desktop vertical stand, Wallmount brackets and VESA 100 mounting plate (optional)

► GLOBAL HEADQUARTERS

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