

KBox C-101 FAMILY



FLEXIBLE INDUSTRIAL COMPUTER PLATFORM FOR HIGH PERFORMANCE APPLICATIONS

- ▶ wartungsfrei (maintenance-free): no moving parts, battery-free
- ▶ modular approach - Forever Young
- ▶ offers maximum of flexibility and expansion capabilities
- ▶ proven building blocks - easy customization

POSSIBILITIES START HERE



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Designed for maintenance-free operation and industry-leading performance, Kontron's flagship in the KBox family is an industrial computer platform for demanding control cabinet applications. Based on the Forever Young approach, the KBox C-101 is highly

scalable and ensures simple upgrades whenever needed. In addition, integrating standard components, such as PCIe or miniPCIe card, system expansions can be carried out quickly while allowing developers a greater degree of flexibility.

► TECHNICAL INFORMATION

	KBOX C-101-2	KBOX C-101-1	KBOX C-101-0
PROCESSORS	4th Generation Intel® Core™ processor via COMe type 6: » i7-4700EQ: Quad-Core 2.4 GHz, 6 MByte cache » i5-4402E: Dual-Core 1.6 GHz, 3 MByte cache » Celeron® 2002E: Dual-Core 1.5 GHz, 2 MByte cache		
PLATFORM CONTROLLER HUB	Intel® QM87 (HM86 for Celeron®)		
MEMORY	Up to 16 GByte DDR3L RAM, non-ECC		
RTC	High-precision RTC with gold cap backup		
TRUSTED PLATFORM MODULE (TPM)	Atmel AT975C3204 TPM 1.2 controller		
INTERFACES	3x 10/100/1000 Mbit/s Ethernet with IEEE1588 support 2x USB 3.0, 2x USB 2.0 1x DisplayPort 1x RS232 8x LEDs (Thermal, Drive, SD, Watchdog / 4x General Purpose) 2x Buttons Power/Reset & Rescue		
STORAGE DRIVES	2x mSATA (internal), 1x SDCard (removable), 2x 2.5" SATA SSD/HDD internal, Optional accessible via removable drive assemblies RAID support	2x mSATA (internal), 1x SDCard (removable), 1x 2.5" SATA SSD/HDD internal, Optional accessible via removable drive assembly RAID support	2x mSATA (internal), 1x SDCard (removable), 1x 2.5" SATA SSD/HDD internal RAID support
EXPANSIONS	2x PCIe x4, 2x mPCIe (1x for Fieldbus expansion)	1x PCIe x4, 2x mPCIe (1x for Fieldbus expansion)	2x mPCIe (1x for Fieldbus expansion)
POWER SUPPLY	24VDC (+20 %/-15 %), 10ms hold-up		
DIMENSION (H X W X D)	290 x 155 x 210 mm (11.42" x 6.1" x 8.27")	290 x 130 x 210 mm (11.42" x 5.12" x 8.27")	290 x 117 x 210 mm (11.42" x 4.61" x 8.27")
MOUNTING	Control cabinet key holes, book size format		
COOLING	Fanless		
ENVIRONMENTAL OPERATING TEMPERATURE	with Core™ i5-4402E 0° C to +65° C (32° F to 149° F) with Core™ i7-4700EQ 0° C to +50° C (32° F to 122° F)		
STORAGE TEMPERATURE CLIMATIC HUMIDITY	-40° C to +85° C (-40° F to 185° F) 93 % RH at 40° C, not condensing (acc. to IEC 60068-2-78)		
APPROVALS	CE, CB, ETL(UL), FCC		
SOFTWARE SUPPORT	Windows® 7, Windows® Embedded Standard 7, Windows® 8.1, Linux®		
WEIGHT	ca. 4.75 kg (10.47 lbs)	approx. 4.3 kg (9.48 lbs)	3.8 kg (8.38 lbs)

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