

# KBox C-101 FAMILY

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## 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



## KBOX C-101 FAMILY

Designed for maintenance-free operation and industry-leading performance, Kontron's flagship in the KBox family is a 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
<b>PROCESSORS</b>	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		
<b>PLATFORM CONTROLLER HUB</b>	Intel® QM87 (HM86 for Celeron®)		
<b>MEMORY</b>	Up to 16 GByte DDR3L RAM, non-ECC		
<b>RTC</b>	High-precision RTC with gold cap backup		
<b>TRUSTED PLATFORM MODULE (TPM)</b>	Atmel AT975C3204 TPM 1.2 controller		
<b>INTERFACES</b>	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		
<b>STORAGE DRIVES</b>	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
<b>EXPANSIONS</b>	2x PCIe x4, 2x mPCIe (1x for Fieldbus expansion)	1x PCIe x4, 2x mPCIe (1x for Fieldbus expansion)	2x mPCIe (1x for Fieldbus expansion)
<b>POWER SUPPLY</b>	24VDC (+20 %/-15 %), 10ms hold-up		
<b>DIMENSION (H X W X D)</b>	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")
<b>MOUNTING</b>	Control cabinet key holes, book size format		
<b>COOLING</b>	Fanless		
<b>ENVIRONMENTAL OPERATING TEMPERATURE</b>	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)		
<b>STORAGE TEMPERATURE CLIMATIC HUMIDITY</b>	-40° C to +85° C (-40° F to 185° F) 93 % RH at 40° C, not condensing (acc. to IEC 60068-2-78)		
<b>APPROVALS</b>	CE, CB, ETL(UL), FCC		
<b>SOFTWARE SUPPORT</b>	Windows® 7, Windows® Embedded Standard 7, Windows® 8.1, Linux®		
<b>WEIGHT</b>	ca. 4.75 kg (10.47 lbs)	approx. 4.3 kg (9.48 lbs)	3.8 kg (8.38 lbs)

### ► CORPORATE OFFICES

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