

KBox A-101



FANLESS AND COMPACT BOX PC FOR FACTORY AUTOMATION

- ▶ wartungsfrei (maintenance-free): no moving parts (fanless, Solid State Discs), battery-free
- ▶ dust-free packaging
- ▶ multiple mounting possibilities

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FANLESS AND COMPACT

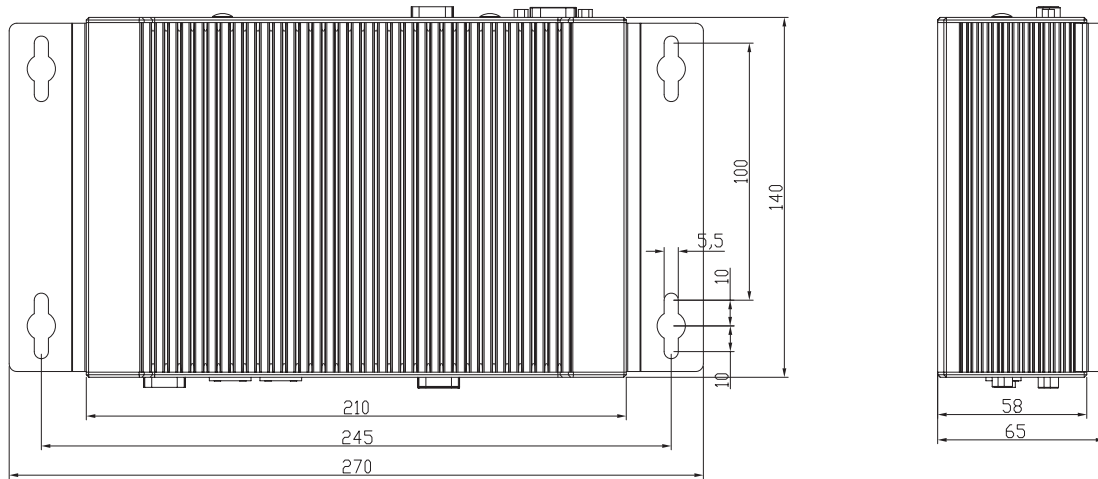
Kontron's KBox A-101 can be used for various applications including medical, gaming, process control and various embedded applications. The KBox A-101 is specifically designed for use within harsh and industrial environments. The fanless Box PC KBox A-101 features long life SBCs, based on the latest Intel® embedded low power Atom™ Processor D2550, ultra slim design and low power consumption. Due to the extensive amount of on board I/Os and

extensions like 2x GB LAN, 2x USB 2.0, 2x USB 3.0, 2x COM, 1x CAN SJA1000, expandability by MSata and Mini PCIe KBox A-101 enables connectivity for most applications. Long term availability, easy maintenance and serviceability protect your investment. These embedded Box PC save power and space and offer efficient performance ideal for factory automation.

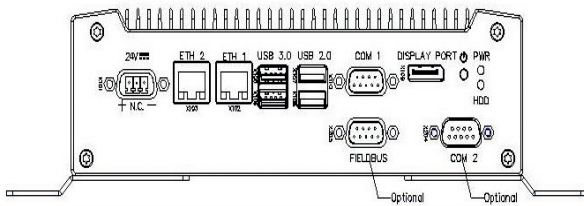
► TECHNICAL INFORMATION

SYSTEM	CPU MAX. SPEED L2 CACHE SYSTEM CHIPSET BIOS	Intel® Atom™ D2550 1.86 GHz Dual Core 1.86 GHz 1 MB Intel® NM10 AMI EFI
MEMORY	TECHNOLOGY MAX. CAPACITY SOCKET	DDR3 1066 MHz 4 GB 1x 204-pin SO-DIMM
GRAPHICS	DISPLAY PORT	Max. resolution 2500 x 1600
ETHERNET	LAN1 LAN2	10/100/1000 Mbps Intel® 82583V Ethernet controller 10/100/1000 Mbps Intel® 82583V Ethernet controller
IO INTERFACE	SERIAL PORTS USB	1x RS232, optional 2nd COM (RS232 or 422 or 485) 2x USB 3.0, 2x USB 2.0
OTHERS	DIGITAL IO WATCHDOG TIMER	4x Digital In/Out TTL optional 255 levels timer interval, setup by software
EXPANSION	MINI PCIe	1x full size MINI PCIe
STORAGE	HDD/SSD	One drive bay for SATA 2.5" HDD/SSD (Compatible with 12.5 mm height HDD)
SOFTWARE SUPPORT	MICROSOFT WINDOWS LINUX	Windows 7, Windows 7 Embedded, WinCE 7.0, WIN XP Fedora
POWER	POWER TYPE POWER INPUT VOLTAGE POWER ADAPTER	AT/ATX 10,8 V DC to 28,8 V DC AC to DC 24 V / 2,5 A (60W) optional
POWER CONSUMPTION	TYPICAL	16 Watt (with Intel® Atom™ D2550 at 1.8 GHz)
MECHANICAL	CONSTRUCTION MOUNTING DIMENSIONS (W X H X D) WEIGHT	Aluminum housing DIN RAIL, Desktop, Wall, Cabinet, VESA Mounting 210 x 65 x 140 mm (8.27" x 2.56" x 5.51") 2.5 kg (5.51 lb)
ENVIRONMENT	OPERATING TEMPERATURE STORAGE TEMPERATURE RELATIVE HUMIDITY OPERATING VIBRATION OPERATING SHOCK MTBF EMC SAFETY CERTIFICATIONS	With extended temperature peripherals: -10°C to 60°C (14°F to 140°F) -40°C to 85°C (-40°F to 185°F) 95% @ 40°C (non-condensing) IEC 60068-2-6 10 - 500 Hz, 2 G IEC 60068-2-27 half sine 11 ms 15 g 158,123 h at 30°C CE/FCC Class A CB Scheme , UL

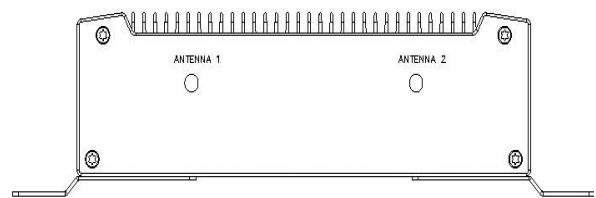
DIMENSIONS



FRONT PANEL EXTERNAL I/O MECHANICAL LAYOUT/DRAWING



REAR PANEL EXTERNAL I/O MECHANICAL LAYOUT/DRAWING



ORDERING INFORMATION

ARTICLE	OPTIONS	EMBEDDED OS
KBox A-101	AC to DC Adapter	WEC 7
	Wall Mount KIT	LINUX Fedora 17
	Cabinet Mount KIT	WES7
	DIN Rail Mount KIT	Windows 7
		Windows XP