

KBox B-101



HIGH-END COMPUTING PERFORMANCE IN A SMALL FOOTPRINT

- ▶ highest computing performance based on mITX motherboard
- ▶ broad range of interfaces: 2x DP, 2x GbE, 8x USB, removable HDD/SSD
- ▶ expansion capabilities via mPCIe and PCIe x16 slot
- ▶ up to 2x 2.5" SATA HDD/SSD

POSSIBILITIES START HERE



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Kontron's KBox B-101 is specifically designed for use in performance demanding applications. Therefore it is ideally suited for various applications such as digital signage, gaming or process control. Based on the Intel® embedded 4th generation platforms the KBox B-101 features long-term availability.

Due to the huge amount of onboard interfaces such as 2x DP, 2x GB LAN, 2x USB 3.0, 6x USB 2.0, 2x COM and further expandability by 1x mSATA, 1x mPCIe and 1x PCIe x16 slot, the KBox B-101 enables connectivity for nearly all applications.

TECHNICAL INFORMATION

PROCESSOR	CPU MAX. SPEED CACHE SYSTEM CHIPSET BIOS	Up to i7 4th generation Up to 3.1 GHz Up to 8 MByte Intel® DH82H81 PCH Phoenix BIOS (EFI core version)
MEMORY	TECHNOLOGY MAX. CAPACITY SOCKET	DDR3 1333 MHz /DDR3 1600 MHz 16 GByte DDR3 DIMM 240pin socket (2 sockets)
GRAPHICS	GRAPHIC ENGINE	Intel® HD Graphics 4600
INTERFACES	ETHERNET SERIAL PORTS USB DISPLAY AUDIO CONTROLS	2x Intel® Gigabit LAN, support Wake On Lan 2x RS232 2x USB 3.0, 6x USB 2.0 2x DisplayPorts, comply with DisplayPort 1.2 specification 7.1 Channel High Definition Audio using the VIA VT1708S codec Power Button, Power LED, HDD LED
EXPANSION	miniPCIe PCIe	1x socket for full-size miniPCIe cards 1x PCIe x16 slot for low-profile cards
STORAGE	HDD/SSD mSATA	1x internal 2.5" HDD/SSD Drive optional: 1x additional 2.5" HDD/SSD in a drive bay 1x mSATA socket
SOFTWARE SUPPORT	MICROSOFT WINDOWS LINUX	Win7, Win8, WES8, WES7 Linux
POWER	POWER TYPE INPUT VOLTAGE RANGE	AT/ATX 100-240 V AC
POWER CONSUMPTION	TYPICAL MAX.	90 Watt 140 Watt
MECHANICAL	CONSTRUCTION MOUNTING DIMENSIONS (W X H X D) WEIGHT	Steel Desktop/Wall Mounting 280 x 100 x 230 mm (11.02" x 3.94" x 9.06") 3.5 kg (7.71 lb)
ENVIRONMENT	OPERATING TEMPERATURE STORAGE TEMPERATURE RELATIVE HUMIDITY EMC SAFETY CERTIFICATIONS	0° C to 50° C (32° F to 122° F) -25° C to 70° C (-13° F to 158° F) 95 % @ 40° C (non-condensing) CE, FCC IEC 60950-1, UL 60950-1

ORDERING INFORMATION

RECOMMENDED CONFIGURATION	MATERIAL NUMBER	DESCRIPTION
KBox B-101	2-A0CS-2003	mITX KTH81, I5-4570S, 8 GByte RAM, 500 GByte 2.5" SATA HDD, 180 W AC PSU

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