

KBox A-150-KBL



DIN RAIL Industrial Computer Platform for Control & Process Optimization

- ▶ Based on 7th Generation Intel® Core™ U-Series
- ▶ Fanless passive cooling, turnable heatsink optional
- ▶ Flexible DIN RAIL mounting
- ▶ Broad range of interfaces and expansion capabilities

POSSIBILITIES START HERE



KBox A-150-KBL

DIN RAIL Embedded Box PC

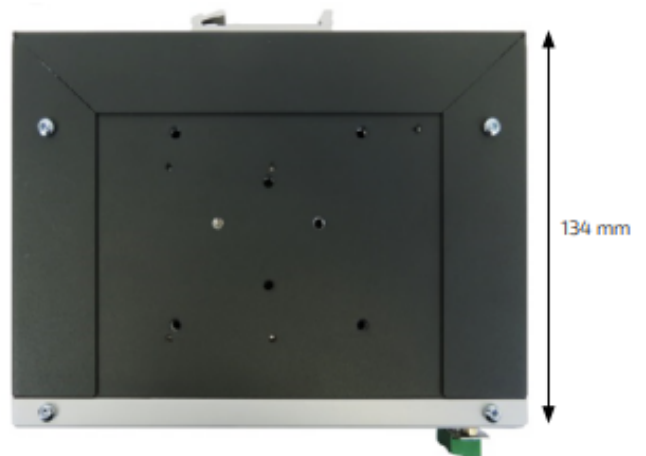
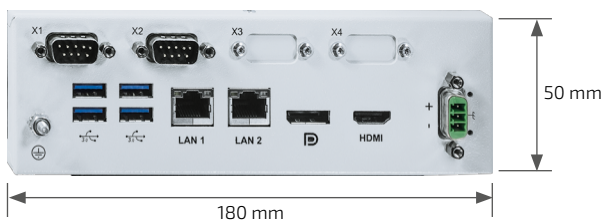
Developed specifically for control cabinet applications the new KBox A-150-KBL offers flexible DIN Rail mounting positions even when space is limited. The fanless design ensures a significantly prolonged lifespan and high system availability.

The KBox A-150-KBL offers high processor performance at low power dissipation by Intel® Core™ processors of the 7th generation. The KBox A-150-KBL is Microsoft Azure Certified, which makes it perfectly suited for working with Microsoft Azure IoT services.

TECHNICAL INFORMATION

PROCESSOR	CPU SPEED BIOS	7th Gen. Intel® Core™ i3-7100U/i5-7300U/i7-7600U or Celeron® 3965U Dual-Core up to 2.8 GHz/3.9 GHz (Burst) AMI® Aptio V5
MEMORY	TECHNOLOGY MAX. CAPACITY	DDR4 16 GByte
INTERFACES	GRAPHICS PORTS USB ETHERNET SERIAL PORTS	1x Display Port, 1x HDMI 4x USB 3.0 2x 10/100/1000 2x RS232/422/485 2x RS232 option
STORAGE	M.2 SSD HDD SSD	up to 512 GByte changeable optional drive bay for 2.5" Slim SSD
MISCELLANEOUS	AUDIO	optional
EXPANSION	MINI PCIe/ PCIe	1x mPCIe
SOFTWARE SUPPORT	OPERATING SYSTEM	Windows® 10 IoT 2019 LTSC, Linux
POWER	INPUT VOLTAGE RANGE	24 VDC (9...30 VDC)
MECHANICAL	CONSTRUCTION MOUNTING DIMENSIONS (H x W x D) WEIGHT	Steel DIN RAIL 50 (58 with SSD carrier) x 180 x 134 mm (1.97 (2.28)" x 7.09" x 5.28") 1.3 kg (2.9 lbs)
ENVIRONMENT	COOLING OPERATING TEMPERATURE RELATIVE HUMIDITY	Fanless passiv 0 °C to +40 °C (32 °F to 104 °F)/with heatsink up to +50 °C (122 °F) 10 %-90 % @ 39 °C, non condensing
APPROVALS	CERTIFICATIONS	UL/CB/CE/FCC

DIMENSIONS



▶ ORDERING INFORMATION

ARTICLE	PART NO.	DESCRIPTION
HOUSING	KBox-A-150-KBL	KBox A-150 Housing
3.5" SBC	-i37 -i57 -i77 -396	i3-7100U 2x 2.4 GHz i5-7300U 2x 2.6 GHz i7-7600U 2x 2.8 GHz 3965U 2x 2.2 GHz
MEMORY	-04 -08 -16	4 GByte SODIMM DDR4 8 GByte SODIMM DDR4 16 GByte SODIMM DDR4
M.2 SSD	-000 -064 -128 -256 -512	Empty M.2 64 GByte M.2 SSD Module 3D TLC 128 GByte M.2 SSD Module 3D TLC 256 GByte M.2 SSD Module 3D TLC 512 GByte M.2 SSD Module 3D TLC
2.5" DRIVE BAY	-W/O -000 -128 -256 -512 -1 TByte	No drive bay (small housing) Empty drive bay (housing with drive bay) Drive bay with 128 GByte 2.5" SSD TLC Ind. Temp. Drive bay with 256 GByte 2.5" SSD TLC Ind. Temp. Drive bay with 512 GByte 2.5" SSD TLC Ind. Temp. Drive bay with 1 TByte 2.5" SSD TLC Ind. Temp.
WIRELESS	-0 -W -L	No WiFi WiFi with 2x antennas LTE 4G Module with antenna (on request)
SOFTWARE	-000 -W1E -W1V -W1H -LIN	No software Windows 10 IoT Ent. 2019 Entry for 3965U Windows 10 IoT Ent. 2019 Value for Core™ i3/i5 Windows 10 IoT Ent. 2019 High-End for Core™ i7 Linux
HEATSINK	-0 -1	No heat sink (standard) Heat sink 130 x 130 mm, required for temp. >40 °C
ACCESSORIES		
AC/DC ADAPTER	ER40-100001-01	AC/DC Adapter, external, 50 W/24 VDC
POWERCORD	840-0059 840-0115 840-0405/0-0064-4317	Powercord EU Powercord UK Powercord US
PHOENIX CONNECTOR	EE04-100001-01	Phoenix connector 3pol. incl. Housing, without PSU

▶ GLOBAL HEADQUARTERS

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