

# KBox A-150-APL

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## DIN RAIL Industrial Computer Platform for Control & Process Optimization

- ▶ High performance with Intel® Pentium® Quad Core™ N4200, J3455 or E39xx processor
- ▶ Fanless passive cooling, turnable heatsink optional
- ▶ Flexible DIN RAIL mounting
- ▶ Broad range of interfaces and expansion capabilities

POSSIBILITIES START HERE



# KBox A-150-APL

## DIN RAIL Embedded Box PC

Developed specifically for control cabinet applications the KBox A-150-APL 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-APL offers high processor performance at low power dissipation by Intel® Pentium® Quad Core N4200,

Celeron® Quad Core J3455 or Intel Atom® E39xx processors (Dual and Quad Core Processor option). The KBox A-150-APL is Microsoft Azure Certified, which makes it perfectly suited for working with Microsoft Azure IoT services.

### ▶ TECHNICAL INFORMATION

PROCESSOR	CPU SPEED BIOS	Intel® x5-E3930/x7-E3950/J3455/N4200/N3350 Quad-Core up to 1.6 GHz/2.0 GHz (Burst) AMI® Aptio V5
MEMORY	TECHNOLOGY MAX. CAPACITY	DDR3L up to 8 GByte
INTERFACES	GRAPHICS PORTS USB ETHERNET SERIAL PORTS	1x Display Port, 1x HDMI 4x USB 3.0 2x 10/100/1000 MBits/s 2x RS232/422/485 2x RS232 option
STORAGE	M.2 SSD HDD SSD	up to 512 GByte changeable optional Line Out bay for 2.5" Slim SSD
OPTIONAL INTERFACES	WIFI AUDIO	WiFi module incl. 2x antennas Line Out
EXPANSION	MINI PCIe/ PCIe	1x mPCIe
SOFTWARE SUPPORT	OPERATING SYSTEM	Windows® 10 IoT 2019 LTSC, Linux
POWER	INPUT VOLTAGE RANGE	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
<b>HOUSING</b>	KBox-A-150-APL	KBox A-150 Housing
<b>3.5" SBC</b>	APL393 APL395 APL345 APLN42 APLN33	x5-E3930 2x1.3 (1.8) GHz x7-E3950 4x1.6 (2.0) GHz J3455 4x1.5 (2.3) GHz N4200 4x1.1 (2.5) GHz N3350 2x1.1 (2.4) GHz
<b>MEMORY</b>	-04 -08	4 GByte SODIMM DDR3L 8 GByte SODIMM DDR3L
<b>M.2 SSD</b>	-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
<b>2.5" DRIVE BAY</b>	-w/o -000 -128 -256 -512 -1TB	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.
<b>WIRELESS</b>	-0 -W -L	no WiFi WiFi with 2x antennas LTE 4G Module with antenna (on request)
<b>SOFTWARE</b>	-000 -W1E -LIN	no software Windows 10 IoT Enterprise LTSC 2019 Entry Linux
<b>HEATSINK</b>	-0 -1	no heatsink (standard) heatsink 130x130 mm, required for temp. >40 °C
<b>ACCESSORIES</b>		
<b>AC/DC ADAPTER</b>	ER40-100001-01	AC/DC Adapter, external, 50 W/24 VDC
<b>POWERCORD</b>	840-0059 840-0115 840-0405/0-0064-4317	Powercord EU Powercord UK Powercord US
<b>PHOENIX CONNECTOR</b>	EE04-100001-01	Phoenix connector 3pol. incl. Housing, without PSU

## ▶ GLOBAL HEADQUARTERS

### Kontron Europe GmbH

Gutenbergstraße 2  
85737 Ismaning, Germany  
Tel.: +49 821 4086-0  
Fax: +49 821 4086-111  
info@kontron.com

[www.kontron.com](http://www.kontron.com)