

KBox A-203-sXAL4



Compact Industrial Computer Platform for Gateway Applications

- ▶ Based on Intel Atom® E39xx processor
- ▶ Maintenance-free: no moving parts, battery-free
- ▶ IoT ready - simply connected

POSSIBILITIES START HERE

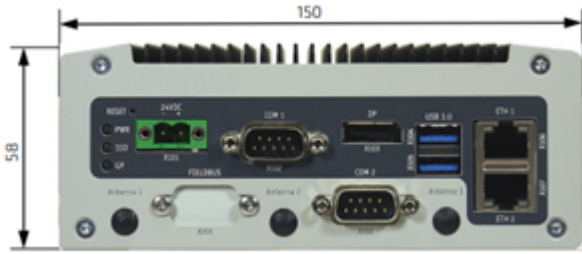


► TECHNICAL INFORMATION

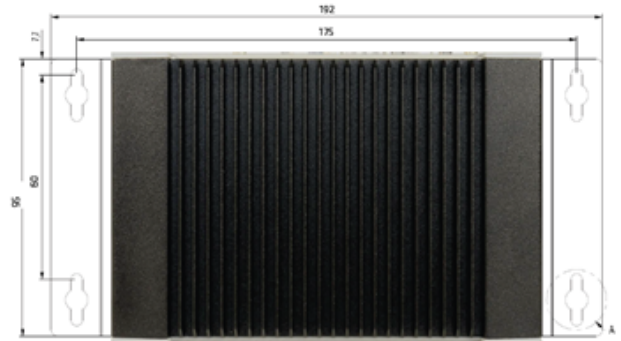
PROCESSOR	CPU	Intel Atom® x5-E3930 2x 1.3 GHz (Max. Turbo 1.8 GHz), 6.5 W x7-E3950 4x 1.6 GHz (Max. Turbo 2.0 GHz), 12 W AMI® Aptio 5.x
	BIOS	
MEMORY	TECHNOLOGY	LPDDR4 -2133 MHz
	CAPACITY	2/4/8 GByte
GRAPHICS	GRAPHICS CORE	Internal Intel® HD 500/HD 505
	MAX. RESOLUTION	4096x2160 @60 Hz
FRONT I/O	GRAPHICS PORTS	1x DisplayPort V1.2
	USB	2x USB 3.0
	ETHERNET CONTROLLER	2x GbE ETH (Wake-on-Lan support)
	SERIAL PORTS	Intel® I210 1x Serial (COM1, RS232/RS422/RS485) 1x Serial (COM2, RS232) optional
	CONTROL	3x LEDs (Power, SSD, GP), Reset switch
INTERNAL EXPANSION SLOTS	mPCIe	2x miniPCIe sockets for full-size modules
STORAGE	MICRO SD	mSD socket, accessible from the rear
	FLASH	up to 32 GByte onboard flash (eMMC)
	MSATA	mSATA socket*
	SATA	Drive Bay to install 2.5" SATA SSD
SOFTWARE SUPPORT	OPERATING SYSTEM	Windows® 10 IoT Enterprise LTSC 2019 pre-installed (on request) Linux Yocto
SECURITY	FEATURES	TPM V2.0
MIDDLEWARE	KEAPI	Kontron KEAPI
POWER SUPPLY (EXTERNAL)	INPUT VOLTAGE	24 VDC (+/- 20 %)
MECHANICAL	COOLING	Fanless (convection cooled)
	DIMENSIONS (W x H x D)	150 x 58 x 100 mm (2.23" x 5.91" x 3.94")
	WEIGHT	Approx. 1 kg (2.2 lbs)
	MOUNTING OPTIONS	DIN RAIL, Desktop, Wall, Cabinet
ENVIRONMENT	OPERATING TEMPERATURE	-20 °C to +60 °C (32 °F to 140 °F)*
	STORAGE TEMPERATURE	-40 °C to +85 °C (-40 °F to 185 °F)
	RELATIVE HUMIDITY	93% @ 40 °C (non-condensing)
	OPERATING VIBRATION	5 - 500 Hz, 1 G (IEC 60068-2-6)
	OPERATING SHOCK	15 G, 11 ms, half sine, acc. to IEC 60068-2-27
	ALTITUDE	2000 m (approx. 6550 ft)
	TYPICAL POWER CONSUMPTION	15 W (with E3950 CPU)
APPROVALS	EMC	CE
	SAFETY CERTIFICATIONS	CB scheme

* Operating temperature limited to max. 50 °C with installed mSATA module

► DIMENSIONS



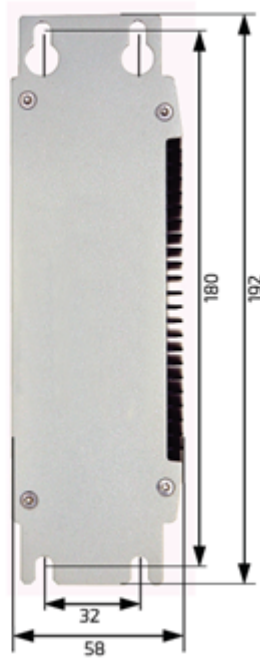
// Front side



// Top side (with wall/table mounting brackets)



// Left side



// Rear side with vertical mounting plate

▶ ORDERING INFORMATION

ARTICLE	PART NO.	DESCRIPTION
HOUSING & CARRIER (CATEGORY A)	KBox A-203-sXAL4	Standard
SMARC MODULE (CATEGORY B)	- 1 - 2	SMARC-sXAL4 E3930, 4 GByte RAM, 8 GByte eMMC SMARC-sXAL4 E3950, 8 GByte RAM, 32 GByte eMMC
2 nd COM (CATEGORY C)	1 2	empty 2nd RS232
MINI PCIe 1 (CATEGORY D)	0 1	empty Wifi/BT - 2x antennas
MINI PCIe 2 (CATEGORY E)	0 1 2	empty Wifi/BT - 2x antennas mSATA 60 GByte
MSD CARD (CATEGORY F)	0 1	empty Micro SD 32 GByte
2.5" SSD (CATEGORY G)	0 1 2 3	empty SSD 128 GByte 2.5" (TLC) SSD 256 GByte 2.5" (TLC) SSD 512 GByte 2.5" (TLC)
BATTERY (CATEGORY H)	0 1	empty RTC Battery
MOUNTING (CATEGORY I)	- 1 - 2 - 3 - 4	Desktop Book mount DIN RAIL Wall mount
SOFTWARE (CATEGORY J)	- 0 - 1 - 2	No OS Linux Yocto Windows 10 IoT LTSC on request

E.g. KBox A-203-sXAL4-(AB)-(CDEFGHI)-(J)

Notes: Letters in brackets are the category letters;

Due to mechanical limitations, configurations must be approved by sales support

ACCESSORY

AC/DC ADAPTER	1057-7077	24 V/60 W
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▶ GLOBAL HEADQUARTERS

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