

KBox A-250



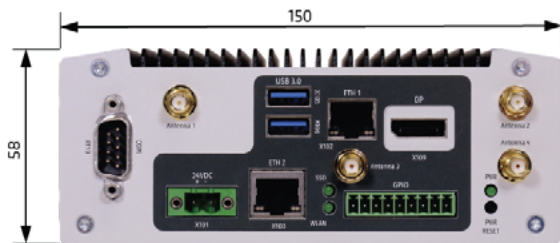
Industrial Computer Platform for IoT Gateway Applications

- ▶ Based on a piTX-2.5" SBC with excellent price/performance ratio
- ▶ Intel Atom® E39xx processor performance
- ▶ Intelligent IoT gateway for edge analytics, data collection, remote monitoring
- ▶ WiFi, GSM and LTE support (integrated WiFi and LTE modules optional)
- ▶ Supports Kontron APPROTECT based on WIBU Systems Technology

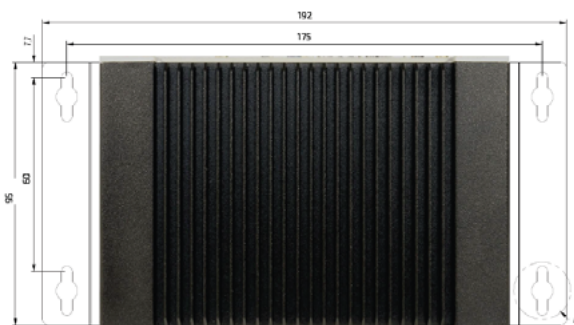
TECHNICAL INFORMATION

PROCESSOR	CPU	Intel Atom® x5-E3930 2 x 1.3 GHz (Max. Turbo 1.8 GHz), 6,5 W x5-E3940 4 x 1.6 GHz (Max. Turbo 1.8 GHz), 9,5 W x7-E3950 4 x 1.6 GHz (Max. Turbo 2.0 GHz), 12 W AMI® Aptio 5.x
MEMORY	BIOS TECHNOLOGY CAPACITY SOCKET	DDR3L-1866 MHz 2/4/8 GByte 1x SODIMM
GRAPHICS	GRAPHICS CORE MAX. RESOLUTION	Internal Intel® HD 505 4096x2160 @60 Hz
FRONT I/O	GRAPHICS PORT USB ETHERNET CONTROLLER SERIAL PORTS GPIO	1x DisplayPort V1.2 2x USB 3.0 1x GbE ETH, 1 Fast ETH, WOL support Intel® i219LM & LAN9500AI 1x Serial (COM1, RS232) 9-pin GPIO Connector
INTERNAL EXPANSION SLOTS	M.2 mPCIe	1x M.2 Key M for 2242, 2260 and 2280 1x mPCIe for mSATA
SOFTWARE SUPPORT	OPERATING SYSTEM	Windows® 10 IoT Enterprise LTSB 2016 pre-installed Windows® 10 IoT Enterprise LTSC 2019 pre-installed Linux Yocto (on request)
POWER	INPUT VOLTAGE RANGE	24 VDC (+/- 20 %)
SECURITY	FEATURES	TPM V2.0
MIDDLEWARE	KEAPI	Kontron KEAPI
POWER SUPPLY (EXTERNAL)	INPUT VOLTAGE	24 VDC (+20 %/-15 %)
MECHANICAL	COOLING DIMENSIONS (WxHxD) WEIGHT	Fanless (Conduction cooled) 150 x 58 x 100 mm Approx. 1 kg (2.2 lbs)
ENVIRONMENT	OPERATING TEMPERATURE EXT. OPERATING TEMPERATURE STORAGE TEMPERATURE RELATIVE HUMIDITY OPERATING VIBRATION OPERATING SHOCK ALTITUDE MTBF TYPICAL POWER CONSUMPTION	0 °C to 45 °C (max. power consumption 24,5 W) -10 °C to 70 °C (max. power consumption 15,5 W) -40 °C to +85 °C (-40 °F to 185 °F) 93 % @ 40 °C, non-condensing acc. IEC 60068-2-6, 5 -500 Hz, 1G acc. IEC 60068-2-27, half sine, 15 g, 11 ms 2000 m (approx. 6550 ft) 200.000 h @30 °C 17 W
APPROVALS	EMC SAFETY CERTIFICATIONS	CE, FCC CB scheme, UL61010-1, UL61010-2-201

DIMENSIONS



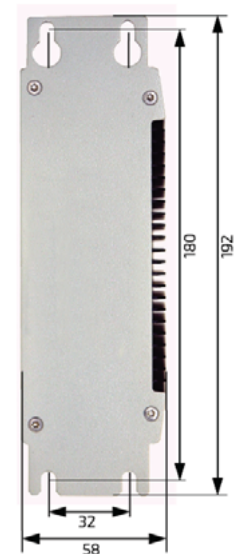
// Front as desktop



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



// Left side



// Rear side with vertical mounting plate

▶ ORDERING INFORMATION

ARTICLE	PART NO.	DESCRIPTION
HOUSING (CATEGORY A)	KBox A-250	Standard
pITX 2.5" SBC (CATEGORY B)	- 1 - 2 - 3	pITX apl x5 E3930 2x1.3 GHz pITX apl x5 E3940 4x1.6 GHz pITX apl x7 E3950 4x1.6 GHz
MEMORY (CATEGORY C)	1 2 3	2 GByte DDR3L-1866 SODIMM 4 GByte DDR3L-1866 SODIMM 8 GByte DDR3L-1866 SODIMM
M.2 SSD (CATEGORY D)	0 1 2 3	No M.2 Storage 64 GByte M.2 SSD 128 GByte M.2 SSD 256 GByte M.2 SSD
MSATA (CATEGORY E)	0 1 2	empty 16 GByte mSATA SSD 32 GByte mSATA SSD
MSD CARD (CATEGORY F)	0	empty
LTE (CATEGORY G)	0 1	empty LTE 4G Module, with Antenna
WIFI (CATEGORY H)	0 1	empty Wifi Module, with Antenna
MOUNTING (CATEGORY I)	- 1 - 2 - 3 - 4 - 5	Wall mount vertical Wall mount horizontal DIN Rail Rear Plate DIN Rail Bottom Plate Desktop
SOFTWARE (CATEGORY J)	- 0 - 3	No OS WIN10 IoT LTSC 2019

e.g. KBox A-250-(ABCDEFGH)-(I)-(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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