

KBox A-250



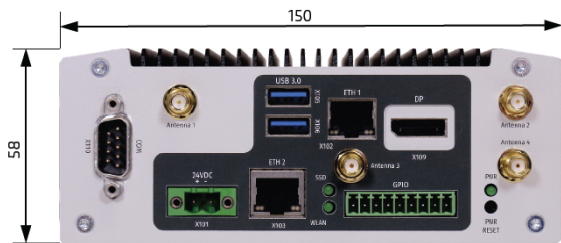
Industrial Computer Platform for IoT Gateway Applications

- ▶ 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

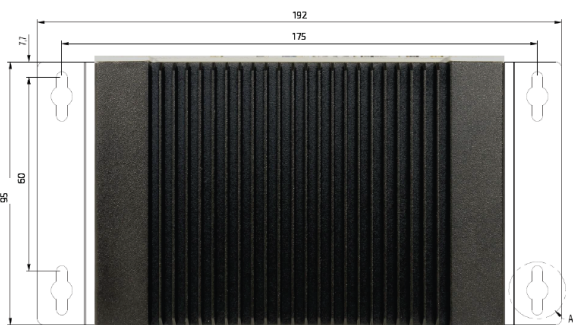
TECHNICAL INFORMATION

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	DDR3L-1866 MHz 2/4/8 GByte 1x SODIMM
GRAPHICS	TECHNOLOGY	Intel® HD Graphics 505 (x7-E3950) or Intel® HD Graphics 500
FRONT I/O	MAX. RESOLUTION	4096x2160 @60 Hz
	GRAPHICS CORE	1x DisplayPort V1.2
	CONTROL	2x USB 3.0
	ETHERNET	1x GbE ETH, 1x Fast ETH, WOL support
	CONTROLLER	Intel® i219LM & LAN9500AI
	SERIAL PORTS	1x Serial (COM1, RS232)
	GPIO	9-pin GPIO Connector
INTERNAL EXPANSION SLOTS	M.2	1x M.2 Key M for 2242, 2260 and 2280
SOFTWARE SUPPORT	mPCIe	1x mPCIe for mSATA
	OPERATING SYSTEM	Windows® 10 IoT Enterprise LTSB 2016 pre-installed Windows® 10 IoT Enterprise LTSC 2019 pre-installed Linux Yocto (on request)
POWER SECURITY	INPUT VOLTAGE RANGE	24 VDC (+/- 20 %)
MIDDLEWARE	FEATURES	TPM V2.0
POWER SUPPLY (EXTERNAL)	KEAPI	Kontron KEAPI
MECHANICAL	INPUT VOLTAGE	24 VDC (+20 %/-15 %)
ENVIRONMENT	COOLING	Fanless (Conduction cooled)
	DIMENSIONS (WxHxD)	150 x 58 x 100 mm (5.91" x 2.28" x 3.94")
	WEIGHT	Approx. 1 kg (2.2 lbs)
	OPERATING TEMPERATURE	0 °C to +50 °C (32 °F to 122 °F)
	EXT. OPERATING TEMPERATURE	-10 °C to +70 °C (14 °F to 158 °F)
	STORAGE TEMPERATURE	-40 °C to +85 °C (-40 °F to 185 °F)
	RELATIVE HUMIDITY	93 % @ 40 °C, non-condensing
	OPERATING VIBRATION	acc. IEC 60068-2-6, 5 -500 Hz, 1G
	OPERATING SHOCK	acc. IEC 60068-2-27, half sine, 15 g, 11 ms
	ALTITUDE	2000 m (approx. 6550 ft)
	MTBF	200.000 h @30 °C
	TYPICAL POWER CONSUMPTION	17 W
APPROVALS	EMC	CE, FCC
	SAFETY CERTIFICATIONS	CB scheme, UL61010-1, UL61010-2-201

DIMENSIONS



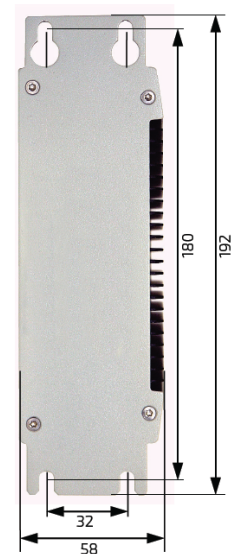
// Front as desktop



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



// Left side



// Rear side with vertical mounting plate

▶ ORDERING INFORMATION

ARTICLE	PART NO.	DESCRIPTION
HOUSING	KBox A-250	Standard
plTX 2.5" SBC	-1 -2 -3	plTX apl x5 E3930 2x1.3 GHz plTX apl x5 E3940 4x1.6 GHz plTX apl x7 E3950 4x1.6 GHz
MEMORY	1 2 3	2 GByte DDR3L-1866 SODIMM 4 GByte DDR3L-1866 SODIMM 8 GByte DDR3L-1866 SODIMM
M.2 SSD	0 1 2 3	No M.2 Storage 64 GByte M.2 SSD 128 GByte M.2 SSD 256 GByte M.2 SSD
MSATA	0 1	empty mSATA on request
MSD CARD	0	empty
LTE	0 1	empty LTE 4G Module, with Antenna
WIFI	0 1	empty Wifi Module, with Antenna
MOUNTING	-1 -2 -3 -4 -5	Wall mount vertical Wall mount horizontal DIN Rail Rear Plate DIN Rail Bottom Plate Desktop
SOFTWARE	-0 -2 -4	no Software 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
----------------------	-----------	-----------

▶ 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