

# KBox A-250



## Industrial Computer Platform for IoT Gateway Applications

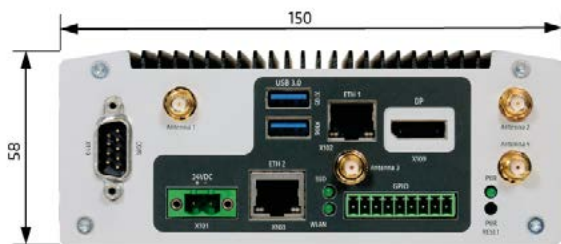
- Based on a pITX-2.5" SBC with excellent price/performance ratio
- Intel Atom® E39xx processor performance
- Intelligent IoT gateway for edge analytics, data collection, remote monitoring
- WiFi, GSM and LTE support (integrated WiFi and LTE modules optional)
- Secure KontronOS, device management KontronGrid, connectivity solution FabEagle®Connect

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

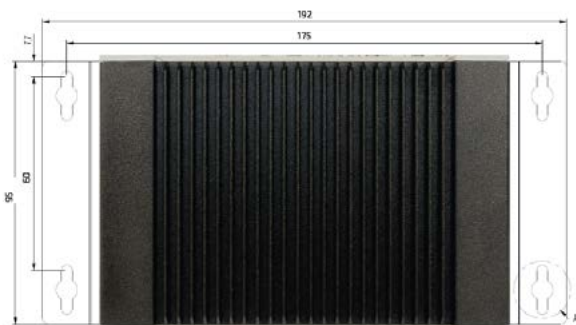
\*KontronOS: Hardened Linux based operating system for the reliable operation of customer applications on edge devices  
 \*\*KontronGrid: Complete fleet management solution for edge devices and container based applications  
 \*\*\*FabEagle®Connect: Low-code integration solution for standardized data interfaces for machines and IoT applications

More information: <https://www.susietec.com/en/solutions/software>

## Dimensions



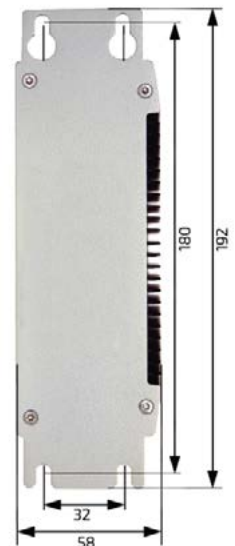
// Front as desktop



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



// Left side



// Rear side with vertical mounting plate

## Global Headquarters

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