

KBox A-250



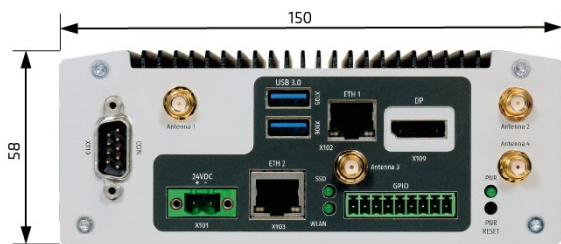
Industrial Computer Platform for IoT Gateway Applications

- 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 K-PORT, connectivity solution FabEagle®Connect

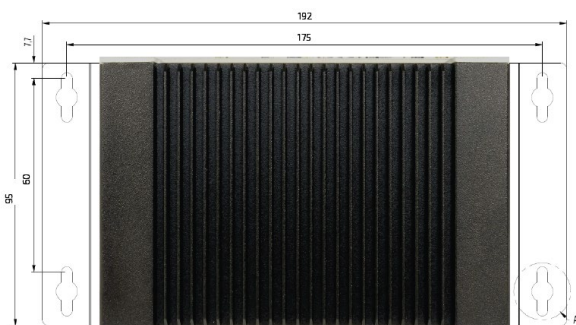
PROCESSOR	CPU	Intel Atom® x5-E3930 2 x 1.3 GHz (Max. Turbo 1.8 GHz), 6,5 W x5-E3940 4 x 1.6 GHz (Max. Turbo 1.8 GHz), 9,5 W x7-E3950 4 x 1.6 GHz (Max. Turbo 2.0 GHz), 12 W AMI® Aptio 5.x
MEMORY	BIOS	DDR3L-1866 MHz 2/4/8 GByte 1x SODIMM
GRAPHICS	TECHNOLOGY	Intel® HD Graphics 505 (x7-E3950) or Intel® HD Graphics 500
FRONT I/O	CAPACITY	4096x2160 @60 Hz
	SOCKET	1x DisplayPort V1.2 2x USB 3.0
	GRAPHICS CORE	1x GbE ETH, 1x Fast ETH, WOL support
	MAX. RESOLUTION	Intel® i219LM & LAN9500AI
	GRAPHICS PORT	1x Serial (COM1, RS232)
	USB	9-pin GPIO Connector
	ETHERNET	
	CONTROLLER	
	SERIAL PORTS	
	GPIO	
INTERNAL EXPANSION SLOTS	M.2	1x M.2 Key M for 2242, 2260 and 2280
	mPCIe	1x mPCIe for mSATA
SOFTWARE SUPPORT	OPERATING SYSTEM	Windows® 10 IoT Enterprise LTSC 2019 pre-installed Linux Yocto (on request)
	TOOLSET	KontronOS+ Kontron K-PORT+ Kontron FabEagle®Connect*
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	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)
ENVIRONMENT	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

*The hardened Linux®-based operating system for the reliable operation of customer applications on edge devices
 *K-PORT: 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



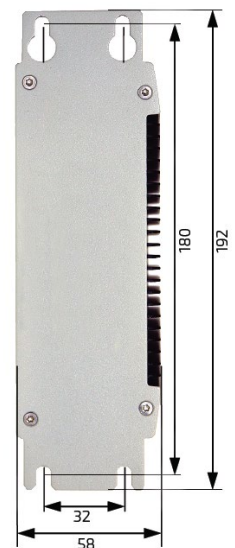
// Front as desktop



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



// Left side



// Rear side with vertical mounting plate

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