

➤ susietec[®] IoT-Bundle

susietec[®] Connect IoT-Bundle

The smart gateway for
digitalization

Your advantages as factory operators

- Easy to connect existing machines to IT systems without special knowledge
- Transparency across the entire factory thanks to step-by-step integration
- Independently configuring interfaces for manufacturing IT opens up new possibilities

Your advantages as a machine manufacturer

- Make every Industry 4.0 and IoT interface standard for your machine
- Easy configuration instead of programming means shorter commissioning
- Customers' interface requirements, e.g. OPC, UA, REST or MQTT, are easily met

susietec[®] products

- K-Box A-250
- FabEagle[®]Connect



The integration of machines and equipment into the IT world is becoming increasingly important and requires a reliable tool that combines the world of hardware interfaces such as bus systems and the world of complex IT interfaces such as OPC UA.

The susietec® IoT-bundle combines the KBox A-250 as an industrial computer platform and FabEagle® Connect as a low-code integration solution for easy interface configuration.



OPC UA REST TCP/IP Custom Client MQTT



FabEagle® Connect +



OPC UA PLC-S7 TCP/IP Modbus XML/JSON



Connectivity & Data Access

- › Cloud interfaces for big data applications via REST or MQTT
- › IoT interfaces such as OPC UA, TCP/IP and Modbus for connecting machines
- › Data transmission for Siemens SPS is part of the proven standard package
- › Databases such as Microsoft SQL, PostgreSQL and Oracle can be integrated
- › File interfaces such as CSV, XML and JSON

Data Processing & Logging

- › Code components for custom logic in C#
- › Conversion of CSV data to JSON and vice versa
- › Buffering data with Redis
- › Logging allows events to be recorded

Computing platform

KBox A-250 / FabEagle®Connect

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 Options	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 WLAN or LTE
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 LTSC 2019 pre-installed FabEagle®Connect pre-installed
Power	Input Voltage Range	24 VDC (+/- 20 %)
Security	Features	TPM V2.0
Power Supply (External)	Input Voltage	24 VDC (+20 %/-15 %)
Mechanical	Cooling Dimension (WxHxD) Weight	Fanless (Conduction cooled) 150 x 58 x 100 mm Approx. 1 kg (2.2 lbs)
Environment	Operating Temperature Ext. Operating Temp. 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

About susietec[®]

We see digital transformation as a holistic approach. With the susietec[®] toolset, we support companies in working out the potential of IoT and digitalization: The combination of software, hardware and know-how enables functional and smart solutions for equipment suppliers, providers and manufacturers. That is how we succeed in implementing purpose-driven, selective changes – with the aim of driving forward digitalization in the long term.

susietec[®] solutions can be used in an existing environment and also provide a basis for the new development of machines, components and production plants.

As part of Kontron Europe GmbH, we help you take the right steps towards digital transformation using our experience from numerous digitization projects.

For more information please visit:
www.susietec.com



Reliable and easily configurable

- › Intel Atom[®] E39xx processor performance
- › Industrial-grade hardware
- › Web client for interface configuration



Scalable and expandable

- › Individual IoT gateways up to series products
- › Small data volumes up to factory-wide application and production control



Future-proof and open

- › Hardware available long term
- › Updates and ongoing development of interfaces

kontron

Contact

Kontron Technologies GmbH
Industriezeile 35
A-4020 Linz
T: +43 732 941 670
info@susietec.com