

kontron

The Power of IoT

Kontron AIS GmbH



FabEagle® Connect

Low-Code Interface Integration for Your Machines and IT Systems

With FabEagle® Connect, you realize configurable and reliable interfaces such as OPC UA, REST or TCP/IP for your machines and IoT applications. As the level of automation increases, the IT integration of production machines becomes more important, and connectivity must be enabled with a fast, standardized procedure. Thanks to prepared interface components and guided configuration dialogs, you can create functional interface configurations for standards such as OPC UA, REST, TCP/IP, or Modbus with just a few minutes of preparation.



Your benefits as factory operator

- › Connect your existing machines to IT systems to gain value from the data you collect
- › Establish a standard integration solution for all shop floor and IT interfaces
- › Extend the capabilities of your manufacturing IT by configuring and extending interfaces yourself

Your benefits as machine manufacturer

- › Make every Industry 4.0 and IoT interface standard on your machines
- › Deliver value to your customers through new ways of delivering data
- › Meet your customers' interface requirements with ease and flexibility

Components and features

Connectivity

- › Easy use of cloud interfaces for the transfer of data from production to big data applications via REST, MQTT or ActiveMQ
- › Reliable utilization of standard IT interfaces for connecting manufacturing to business processes using OPC UA, Modbus, RS232, TCP/IP
- › Proven automation interfaces for reliable data transmission for Siemens PLCs

Data access

- › Easy access via file interfaces e.g. for CSV, XML or JSON files via configurable components
- › Easily connect to proven SQL and Oracle databases
- › Direct export of data as a file in binary or text format

Data processing

- › Develop custom logics in freely programmable components with C# script
- › Aggregate data sets to one result
- › Buffer data on gateways or servers
- › Filter and delete data records and messages



Quick start

Short training time thanks to modular structure and configuration dialogs, based on interface standards



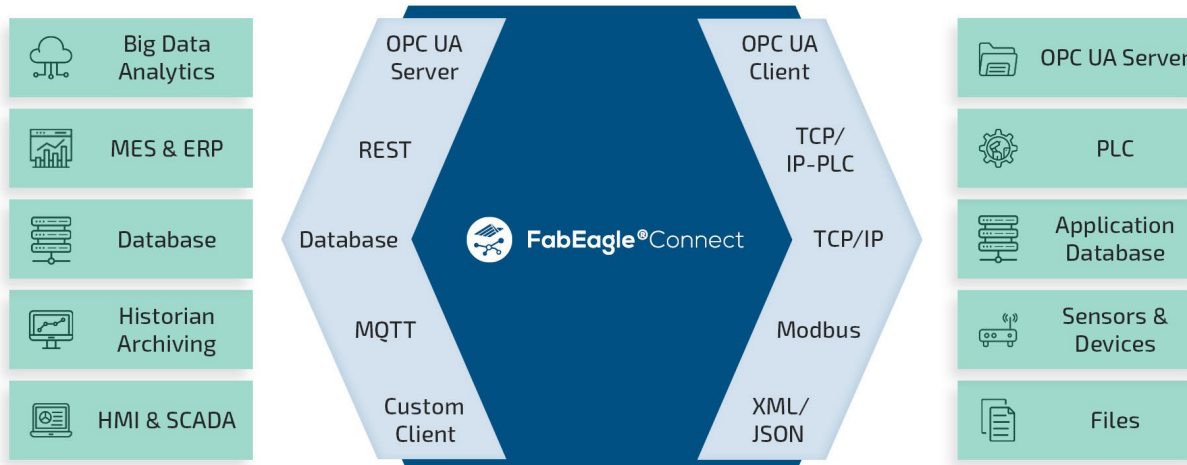
Scalability

From connecting individual machines to networking an entire production facility with parallel applications



Flexibility

Extensible with custom interfaces in freely programmable components with C# scripting



FabEagle® Connect can be used to realize the interface solution on various platforms: Windows 10, Windows 11, Yocto Linux and KontronOS. Central server are used for the factory-wide interface integration. Windows-based IoT gateways and edge devices are also supported for the closest implementation to the machine.

Combination creates innovation

The fanless box PCs from Kontron are suitable for industrial use as platform for FabEagle® Connect close to the machine. For example, the KBox A-250 supports a large number of interfaces for machine controls and bus systems.

KBox A-250 main function

- › Suitable for industrial use, fanless, protection class IP65
- › Connectivity via LAN/WLAN/GSM, digital IO, serial interfaces
- › Supply voltage 24 V
- › DIN rail or wall mounting



Kontron AIS GmbH

Kontron AIS GmbH sets the benchmark in industrial software – for more than 30 years and with an experienced team of over 250 employees. The proven software products and customized digitalization solutions enable machine and equipment builders as well as factory operators to break new ground in automation and secure long-term competitive advantages. Together with its customers, Kontron AIS implements worldwide cross-industry, intelligent digitalization strategies and solutions for the smart manufacturing of tomorrow.

As a subsidiary of the Kontron AG, Kontron AIS offers integrated, end-to-end IoT concepts consisting of hardware and software as well as worldwide project management, service, and support thanks to a global network.



Software Development



Consulting and Requirement Engineering



Project Management and Training



Supply of Hardware for Control and IT Systems



On-Site Installation and Commissioning



Flexible, Global Service and Support

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