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FabEagle®Connect

Low-Code Integration Software for Your Machines and IT Systems

With FabEagle®Connect, you realize configurable and reliable data interfaces such as OPC UA, REST or TCP/IP for your machines and IT applications. The higher the degree of automation, the more important is to have seamless connectivity between your production machines and IT systems. To prevent connectivity from becoming a long-term project, you need a quick, standardized approach. Thanks to prepared interface components and guided configuration dialogs, you can create functional interface configurations 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 Client, 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



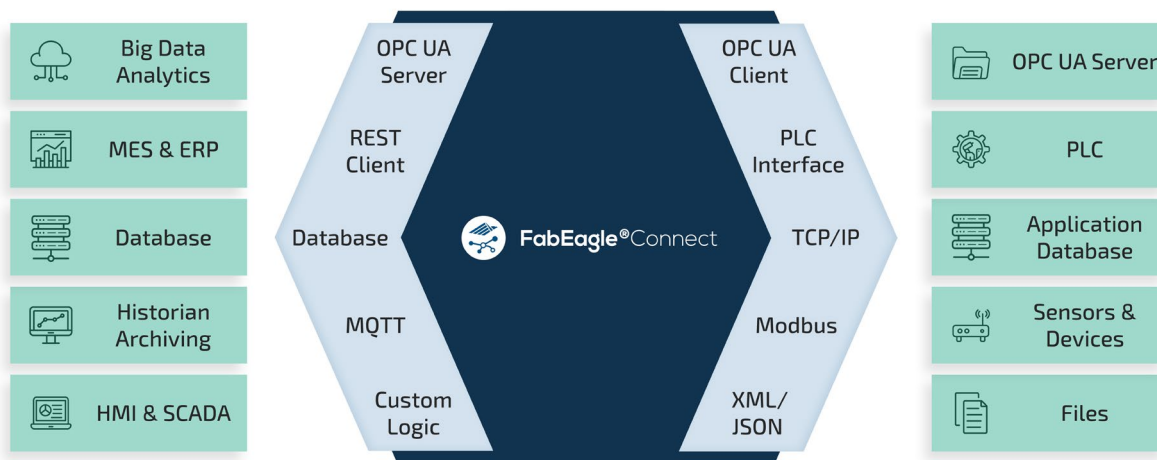
Scalability

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 or with Docker on 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-251-AML/ADN supports gateway applications with a large number of interfaces for machine controls and bus systems.

KBox A-251-AML/ADN main function

- › Compact and highly flexible IoT edge gateway
- › Based on powerful 2.5" single board computer
- › Intel N97, Core i3-N305 or Atom x7000RE processors
- › Options for Wi-Fi, LTE/5G, additional GbE, serial ports, GPIOs



Kontron AIS GmbH

For over 35 years, we have been setting the benchmark in industrial software development. Our proven software products and customized digitalization solutions are backed by an experienced team of more than 250 employees. We enable equipment manufacturers as well as factory operators to break new ground in automation and secure long-term competitive advantages. Together with our customers, we implement intelligent digitalization strategies worldwide, paving the way for the smart manufacturing of tomorrow.

As a subsidiary of Kontron AG, we provide comprehensive IoT solutions from a single source – covering both hardware and software. Our global network ensures project management, service and support on a global scale.



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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