



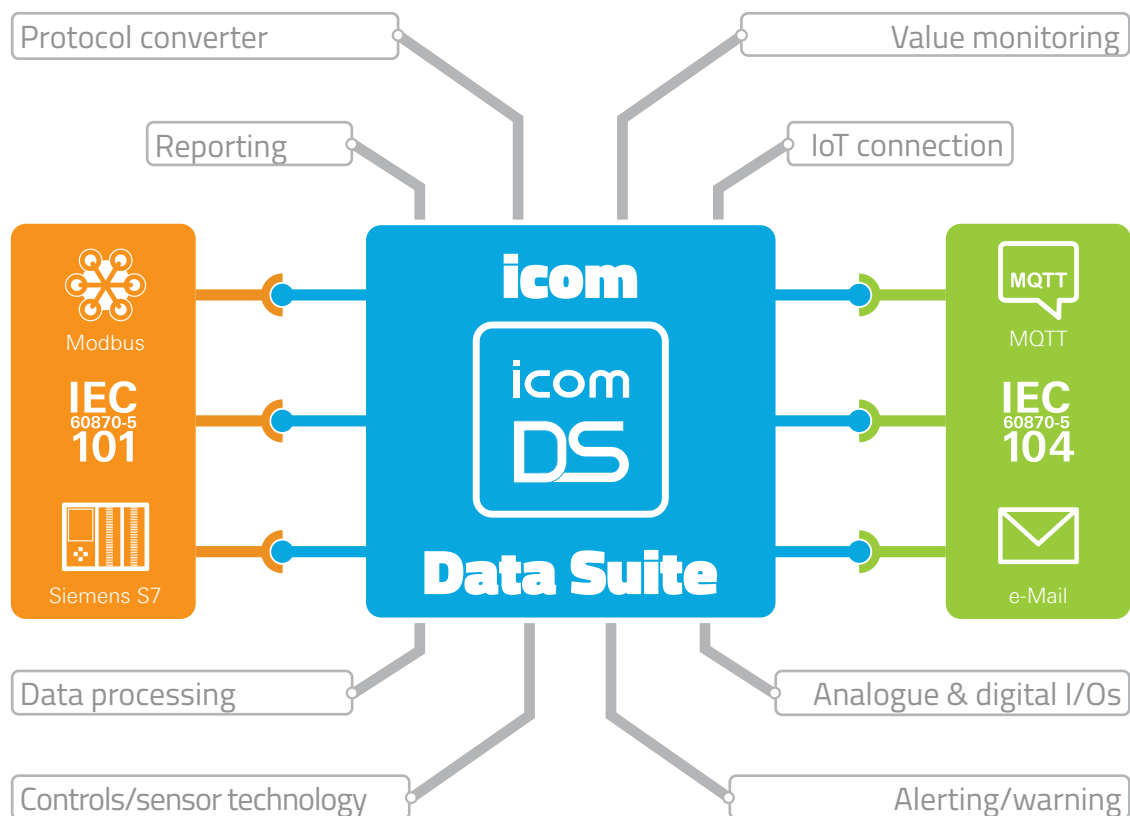
icom Data Suite

Transforms your router into an IoT gateway



icom Data Suite

Make good use of your data



Highlights at a glance



Multiprotocol environment

Our application supports and converts a wide range of industrial protocols and is used in many sectors of industry.



Edge computing

Process your data directly on the device itself, which minimises data volumes and transmission costs.



Cloud connection

Conveniently and simply transfer data via plug & play to pre-integrated cloud systems, or generically via MQTT.



Data logger

This function allows to quickly and easily obtain the data for your verification, error analysis and reporting operations.



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The IoT app: data processing & alerting

Test for 30 days

AnyViz ✓
 Cumulocity / ✓
 Telekom Cloud of things ✓
 Microsoft Azure IoT Hub ✓
 Thingsboard ✓
 AWS ✓
 Bosch IoT Suite ✓

Package 3 Flexible+

IEC 60870-5 104
IEC 60870-5-104 server
 Connection to existing control centre systems, e.g. in the energy sector. Multiple connections are supported simultaneously.

OPC UA
OPC UA server
 Provision of data points for control systems. Cyclical call-off or subscription possible. Secure connection and authentication.



Package 2 Flexible

OPC UA
OPC UA client | OPC UA server connection
 Cyclical call-off or subscription possible. Secure connection and authentication.

IEC 60870-5 101
IEC 60870-5-101 master
 Serial connection of RTUs to the station control system via RS485/RS232.

CODESYS
 Connection of CODESYS-based devices with Version V2 or V3.

Siemens S7
 Siemens S7 control systems (S5 on request) are connected via Ethernet (TCP) or serially (RTU).

Data logger
 Record and save data points. Export as a compressed CSV file, triggered by event or time. Window function.



Package 1 Essential

Data transmission & alerting

MQTT
 Compatible with most cloud systems / IoT platforms. JSON, CSV, plain text format freely definable.

Email
 Up to date via standard office communication: send predefined texts, actual values or system variables by email.

Cumulocity / Telekom Cloud of things
 Pre-integrated interface (http, MQTT). File transfer, alerting and remote control.

SFTP client
 Data transmission to SFTP servers.

Data sources & buffering

Modbus
 Client/server and master/slave. Call off data points from control systems. Provide data points for control systems.

Analogue input / output
 Connect analogue sensor technology. Generate control signals for actuators.

Digital input / output
 Evaluate control signals, door contacts, switching contacts. Control actuators, relays or contactors.

Standard functions

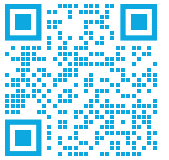
Administration
 Simple graphical user interface. Configuration instead of programming.

Statistics
 Process minimum, maximum, mean value calculation or dynamic values.

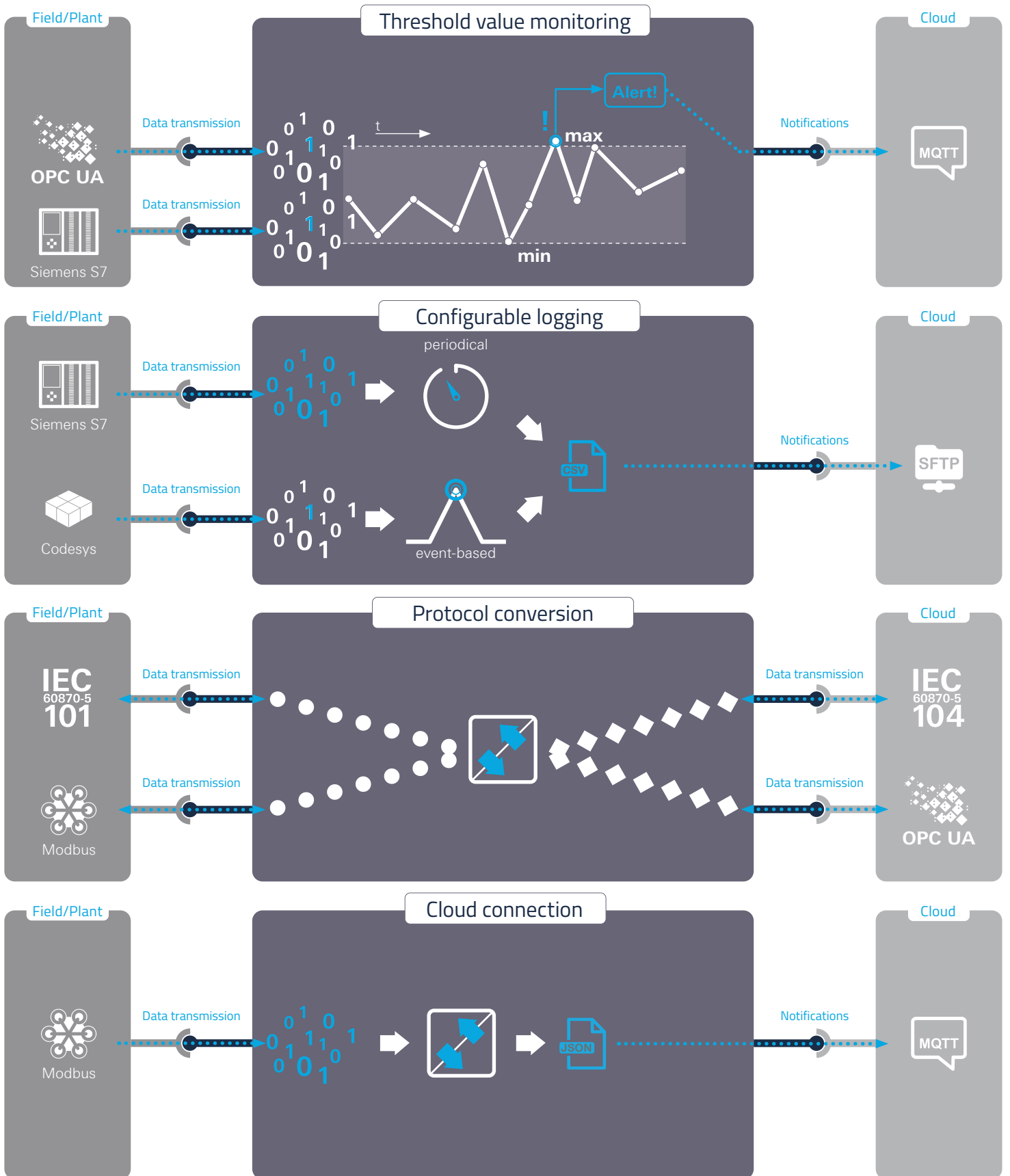
Timer
 Multiple timer functions for single or periodic events. Stop watch, actual time, periodic interval timer.

Status monitoring
 Threshold value monitoring, range excess, arithmetic and logic functions. Calculation of KPIs.

Further information



www.insys-icom.com/en/products/edge-computing/icom-data-suite/



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