

MEASUREMENT AND CONTROL WITH WI-FI




- Acquisition /control directly in the field
- Robust and accurate
- Access via Wi-Fi and Ethernet cable
- Data reporting / easy administration via App


amazon
web services
Amazon Cloud


Microsoft Azure


IBM Bluemix


Google Cloud Platform


SAP Hana Cloud

FACTORY DIGITALISATION

Wireless retrieving of measurement data with mobile devices

The new intelligent Wi-Fi Ethernet systems of the MSX-WL series allow precise data acquisition and reliable signal output directly in the field. The systems can be easily configured from a workplace in the company network. The user can adapt the configuration and read the acquired data using mobile devices (such as tablet, smart phone, etc.) through the MSX-APP Manager for Android.



Multifunction counter system MSX-WL-1751

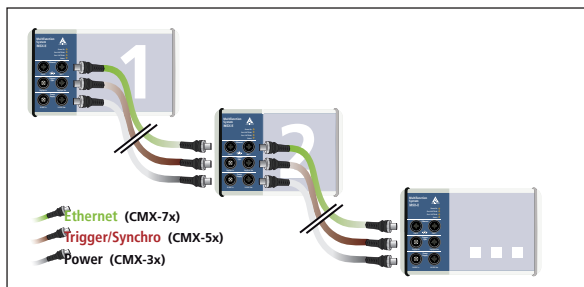
- 2 incremental counter inputs
- 4 analog inputs, diff., 24-bit
- Voltage or current inputs
- 32 digital inputs/outputs, 24 V, on 37-pin D-Sub connector
- 2 M12 connectors, digital input or output
- 24 V digital trigger input



Multifunction system MSX-WL-3121-6-4

- 6 analog inputs, diff., 24-bit
- Voltage or current inputs
- 4 analog outputs, 16-bit,
- Voltage or current outputs
- 32 digital inputs/outputs, 24 V
- 24 V digital trigger input

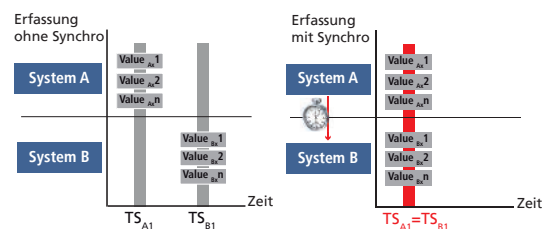
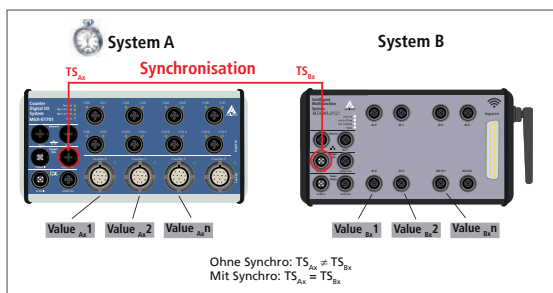
Cascading several systems and consolidate data



To acquire and control different signal types or a high amount of signals of the same type, the systems of the MSX-WL series can be combined with each other or with the systems of the MSX-E series. Thereby supply, Ethernet and trigger signals are looped. Furthermore, the systems can consolidate data of the same or different signal types, acquired by one system or by several systems. This is realised through synchronisation and time stamp.

Synchronisation/time stamp

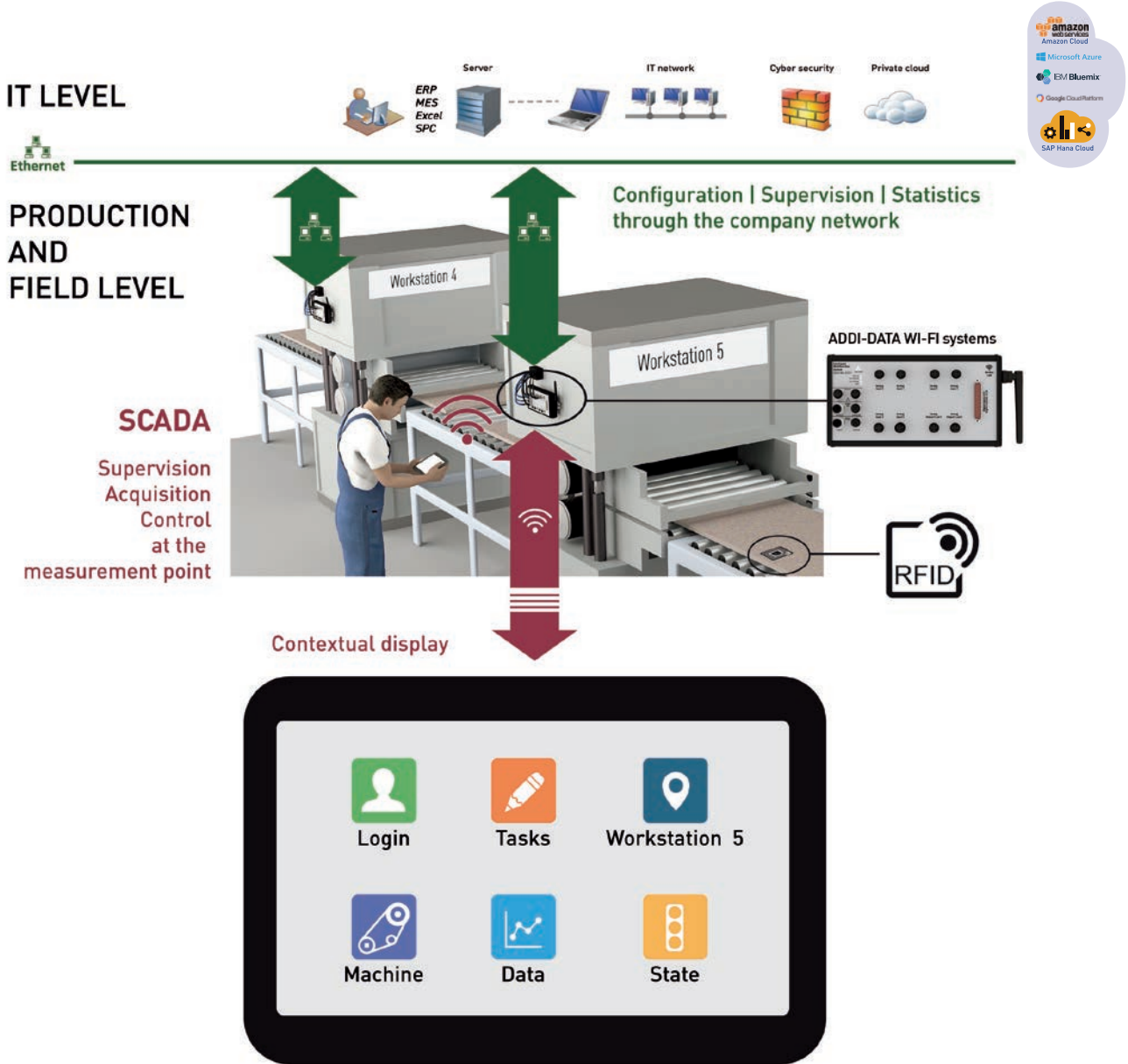
Several MSX-E and MSX-WL systems can be synchronised with one another in the μ s range through a synchro connection. This allows to start a synchronous data acquisition, to generate trigger events and to synchronise the time on several MSX-E systems. Furthermore, the systems have a time stamp that logs the point in time at which the data was acquired by the system.



The combination of synchronisation and time stamp (TS) allows the clear allocation of signals that were captured by several systems.

WI-FI SYSTEMS FOR EASY CONFIGURATION

The MSX-WL systems can be configured through Ethernet cable as well as through Wi-Fi interface. Thanks to the connection of the MSX-WL to the company network, the system setup can be easily made from the workplace. The web interface of the systems is designed for use without programming skills. The system parameters can be changed later through tablet or smart phone and data can be read.



ADDI-DATA SOLUTIONS

Distributed and PC based systems



Intelligent Ethernet systems

- Direct sensor connection
- Onboard calculation of the acquired data
- For use in the field, up to IP 67



Wi-Fi Ethernet systems

- Acquisition/control in the field
- Easy administration/data retrieving through app
- Robust and precise



Ethernet data loggers

- Long-term data acquisition of numerous signal types
- Setup of the measurement device without programming knowledge
- Visualisation of the live data



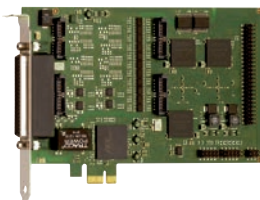
EtherCAT/Profinet systems

- High precision inputs
- Operating temperature from -40 °C to +85 °C
- Robust metal housing, IP 65



PAC systems

- Compact PC, can be extended with PC boards
- Linux system including real-time extension
- No update obligation, license-free



Interference-free PC boards

- For numerous signal types
- High precision
- Robust and interference-resistant

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