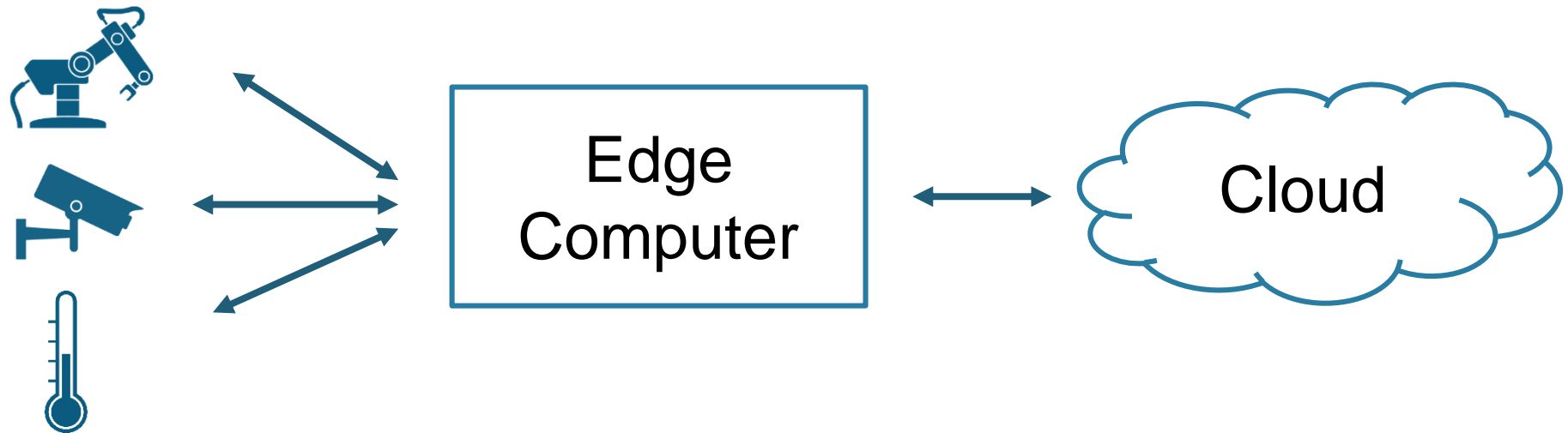


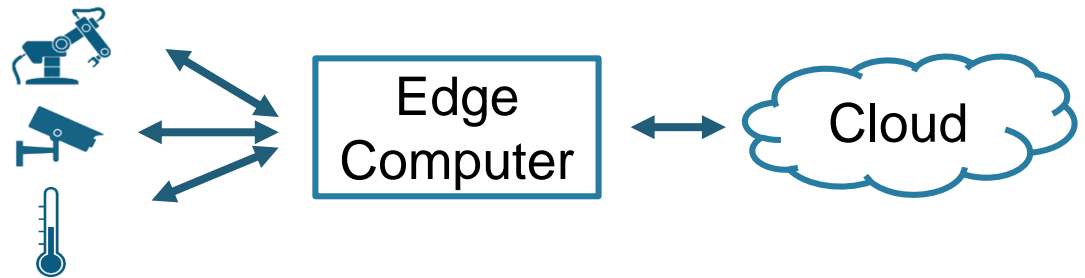


EdgeBox – the Key to Connecting Vision and Sensors to the Cloud

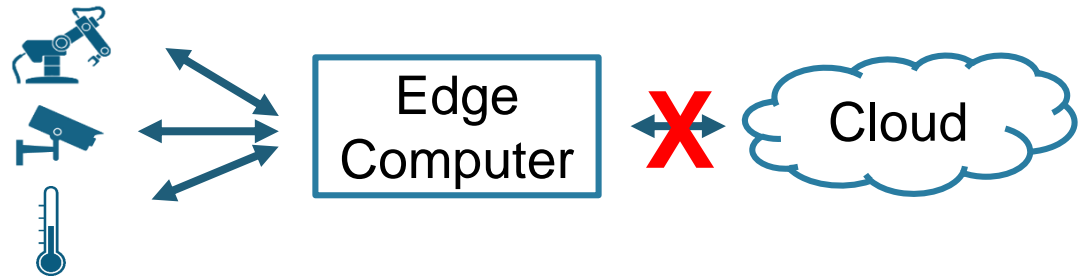
- **The Industrial Internet of things:**



- **Connect devices**
 - to each other
 - to the cloud



- **Connect devices**
 - to each other
 - to the cloud

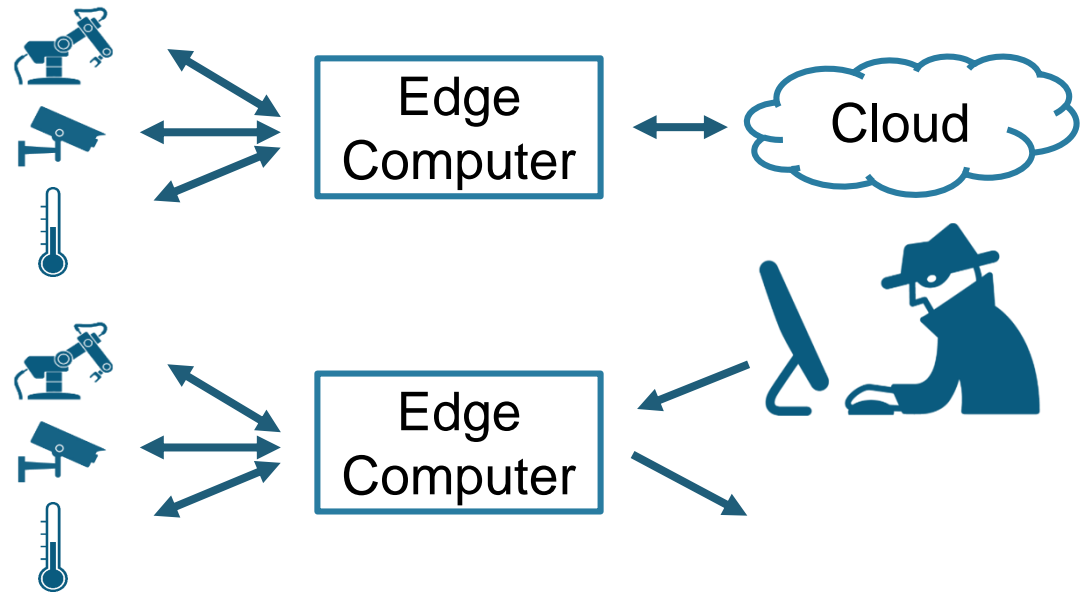


- **Connect devices**

- to each other
- to the cloud

- **Protect (Security gate)**

- intellectual property
- data



- **Connect devices**

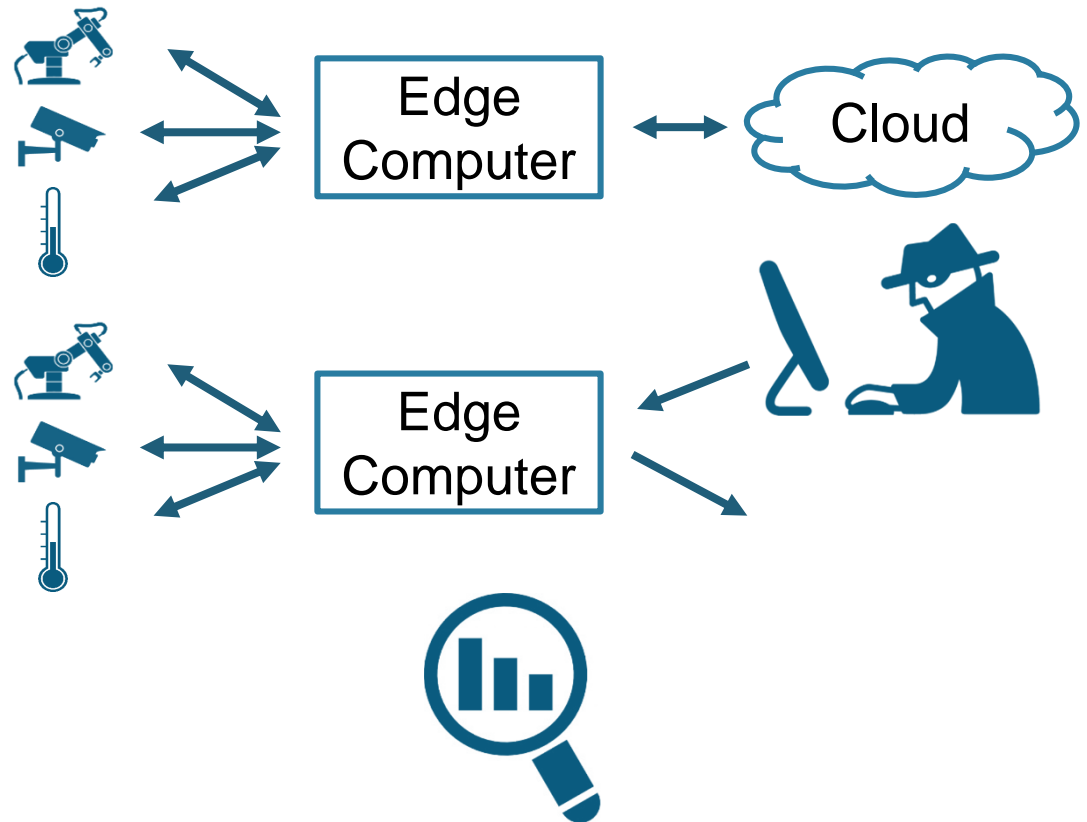
- to each other
- to the cloud

- **Protect (Security gate)**

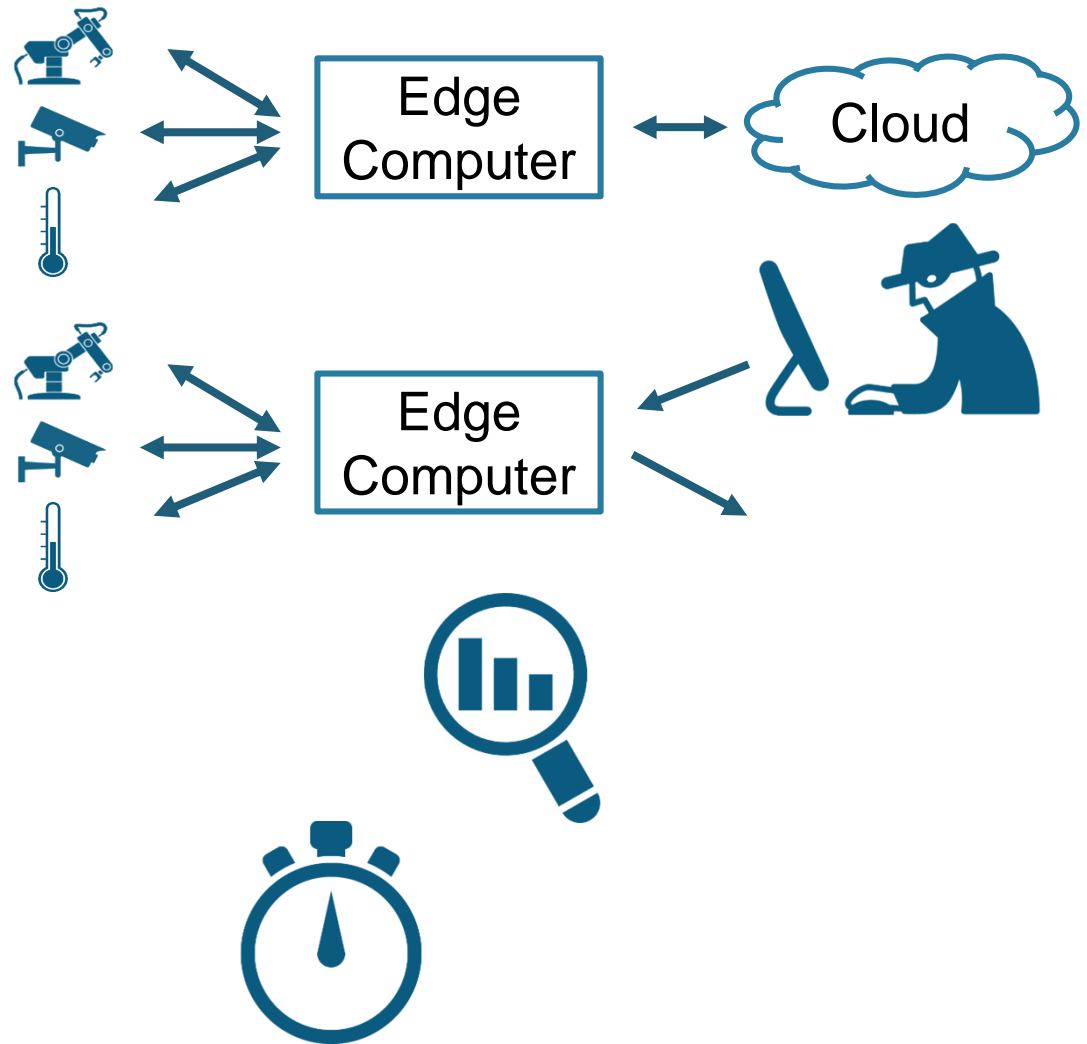
- intellectual property
- data

- **Analyze**

- predictive analysis
- consolidation



- **Connect devices**
 - to each other
 - to the cloud
- **Protect (Security gate)**
 - intellectual property
 - data
- **Analyze**
 - predictive analysis
 - consolidation
- **Respond quickly**
 - near real-time response



- **Connect devices**
 - to each other
 - to the cloud
- **Protect (Security gate)**
 - intellectual property
 - data
- **Analyze**
 - predictive analysis
 - consolidation
- **Respond quickly**
 - near real-time response



Edge Computer

- **Interfaces**
 - ETH 1G and ETH 10G
 - USB 3.0 and General I/O
- **8-core ARM Cortex-A72**
- **NXP hardware root of trust**
 - Incorporated security
 - Vulnerability management
- **Linux OS**
- **Long term availability**

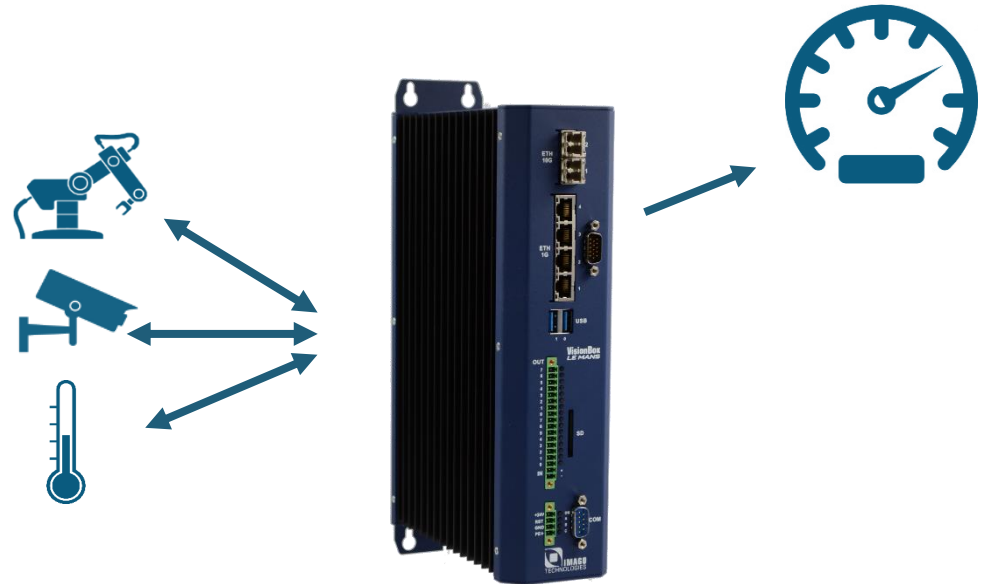


EdgeBox and Security

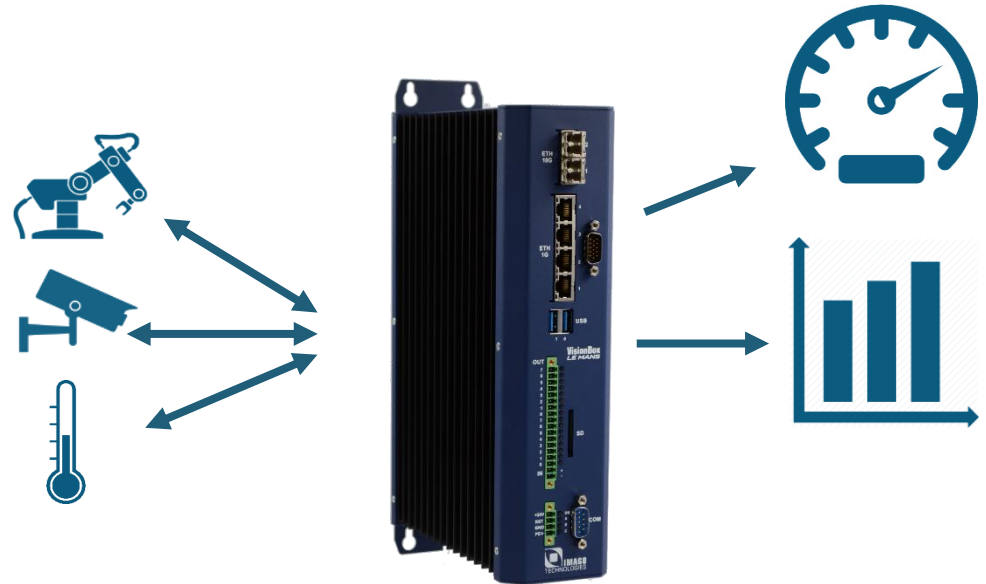
- **ARM Trusted Execution Environment**
 - Secure Boot
 - CPU can only run OEM signed code
 - Security Monitor
 - Allows trusted code to **use one-time-programmable** master key
 - Protects sensitive values of the device
 - Security Engine
 - Cryptographic acceleration
 - System Memory Management Unit



- **Consolidation**
 - Consolidation
 - Visualization



- **Consolidation**
 - Consolidation
 - Visualization
- **Analysis**
 - Predictive analysis
 - Economical analysis
 - Machine Learning



- **Consolidation**

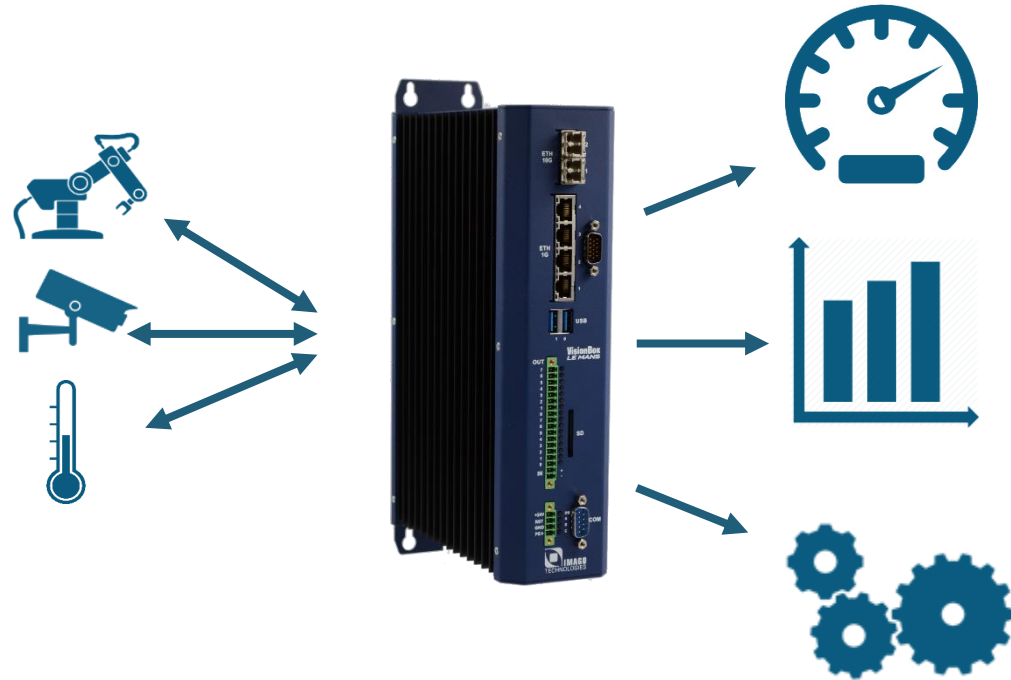
- Consolidation
- Visualization

- **Analysis**

- Predictive analysis
- Economical analysis
- Machine Learning

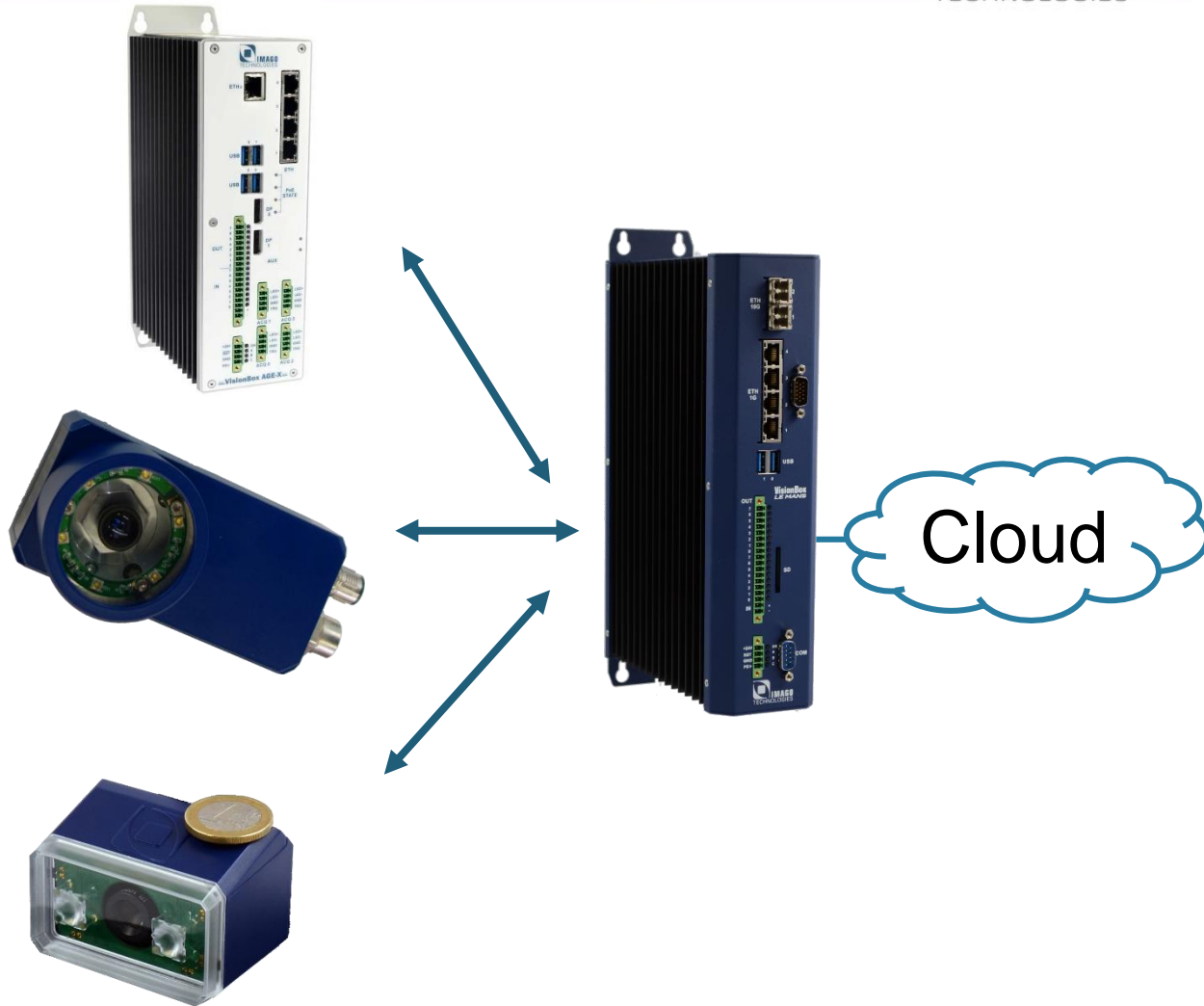
- **Compression and formatting**

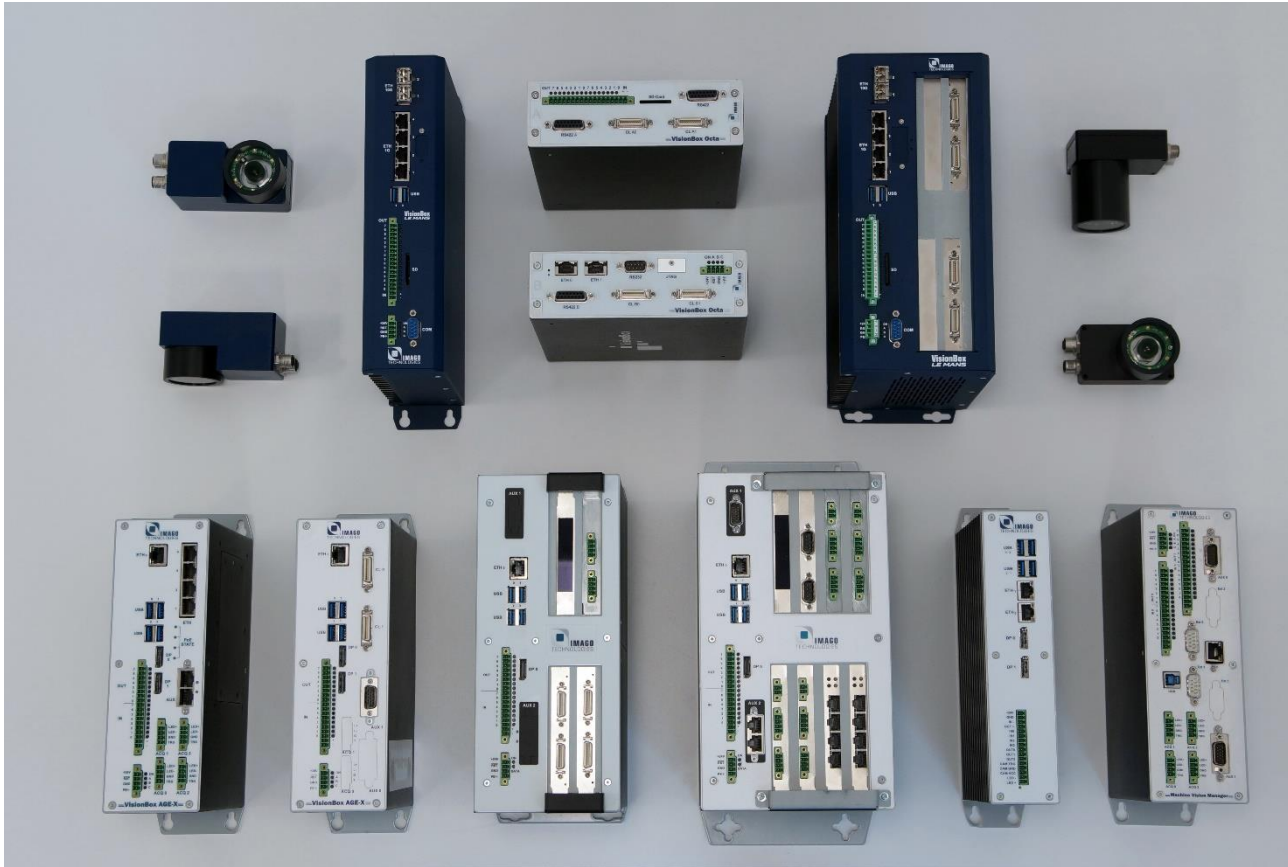
- Protocols conversion
- Data formatting



- **IMAGO's Vision Family**

- VisionBox-based systems
- Fully programmable cameras
- VisionSensor PV





Visit IMAGO Technologies at **1F 21** booth