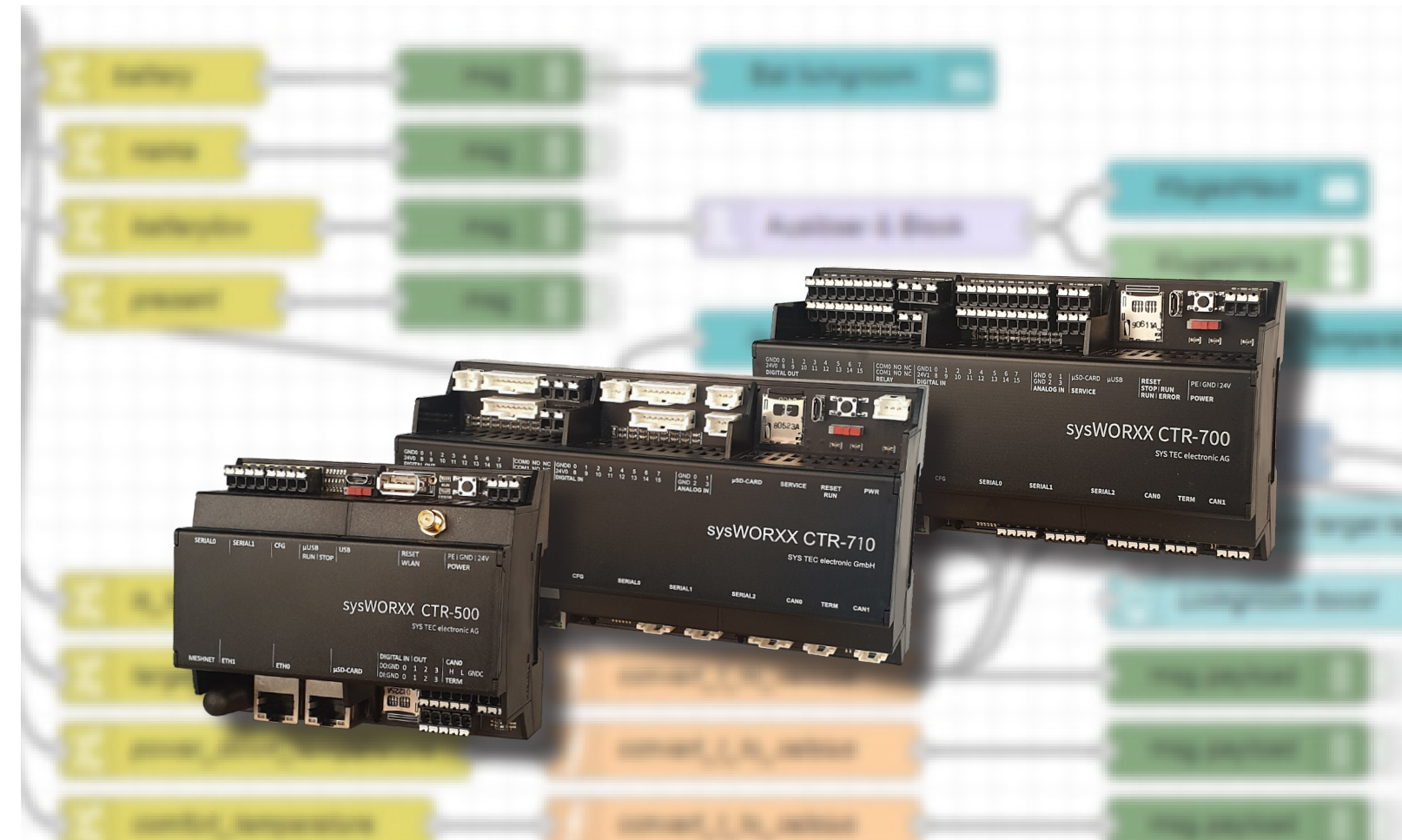




SOFTWARE SCOPE OF DELIVERY

	Basic scope of delivery	Option
Linux OS	✓	
C/C++	✓	
C# (Mono)	✓	
Java (OpenJDK)	✓	
Python	✓	
Node-RED	✓	
Docker	✓	
OpenPCS (IEC-61131)	-	OpenPCS license, SO-240011
CANopen (independent of OpenPCS)		
Source Code CANopen Device	-	SO-877
Source Code CANopen Manager	-	SO-1063
Modbus (independent of OpenPCS)	-	3rd-Party
OPC-UA (independent of OpenPCS)	-	3rd-Party
Meshnet Software	-	3rd-Party
MQTT	[✓] (Integrated in OpenPCS and Node-RED integrated)	Open source libraries freely available
qBee Device Management	-	3rd-Party



OpenPCS LIEFERUMFANG

Runtime functions	Basic scope of delivery	Option
File system	✓	
Serial interface	✓	
UDP	✓	
CAN (Layer2)	✓	
CANopen	✓	
Master	✓	
Slave	✓	
Modbus		
Master RTU (RS-485)	✓	
Slave RTU (RS-485)	✓	
Master TCP	✓	
Slave TCP	✓	
MQTT	✓	

OUR PRODUCT PORTFOLIO FOR SMART AUTOMATION

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sysWORXX CTR-500



THE SMART GATEWAY SOLUTION

- freely programmable Linux gateway
- usable as field bus gateway, edge controller and compact controller
- easy application development in low-code environment Node-RED
- support of common high-level programming languages from C/C++ to Java and Python
- low cost control (e.g. for reading smart meters via Modbus)
- Meshnet-Router and Meshnet-SinkNode
- support Nordic-SDK (nRF5)
- base technology for your development
- brand labeling possible

More details?

<https://www.systec-electronic.com/en/products/industrial-internet-of-things/sysworxx-ctr-500>



sysWORXX CTR-700



SMART COMPACT CONTROL FOR ALL REQUIREMENTS

- freely programmable Linux compact controller for automation and digitization
- versatile digital and analog inputs/outputs
- usable as field bus gateway, edge controller and compact controller
- easy application development in low-code environment Node-RED
- support of common high-level programming languages from C/C++ to Java and Python
- basic technology for your development
- brand labeling possible

More details?

<https://www.systec-electronic.com/en/produkte/industrial-internet-of-things/sysworxx-ctr-700>



sysWORXX CTR-710



COMPACT CONTROL FOR EFFICIENT PREFABRICATION

- freely programmable Linux compact controller for automation and digitization
- fully compatible with the sysWORXX CTR-700
- the removable connectors allow an efficient pre-assembly of the connecting cables (cable harness) as well as an easy and fast device exchange in the field
- basic technology for your development
- brand labeling possible

More details?

<https://www.systec-electronic.com/en/produkte/industrial-internet-of-things/sysworxx-ctr-710>



sysWORXX CTR-750



SMART COMPACT CONTROL FOR CONDITION MONITORING

- freely programmable Linux compact controller for automation and digitization
- specific inputs/outputs for use in the field of condition monitoring
- expandable with sysWORXX SSM-100 for structure-borne sound analysis
- location-independent Internet connection via integrated LTE modem
- support of common high-level programming languages from C/C++ to Java and Python

More details?

<https://www.systec-electronic.com/en/produkte/industrial-internet-of-things/sysworxx-ctr-750>



PRODUCT OVERVIEW

	CTR-500	CTR-700	CTR-710	CTR-750
SoM - Core	NXP i.MX7 Dual-Core (2x Cortex A7 @ 1000 MHz), 1024 MiB RAM, 8 GB eMMC			
Power supply	24V DC	24V DC	24V DC	24V DC
Case	6 TE	9 TE	9 TE	9 TE
Backplane connection for expansion module	No	Yes	Yes	No
Ethernet	2 x 100 Mbps	2 x 100 Mbps	2 x 100 Mbps	2 x 100 Mbps
WLAN	Integrated with external antenna	Optionally via USB stick	Optionally via USB stick	Optionally via USB stick
USB 2.0 Host	1	1	1	1
CAN interfaces	1 x CAN 2.0B	2 x CAN 2.0B	2 x CAN 2.0B	-
Serial interfaces (configurable RS-232, RS485/Modbus)	2	3	3	1
Meshnet	Integrated with external antenna	Optionally via RFG-2.4	Optionally via RFG-2.4	-
LTE Modem	-	-	-	Integrated with external antenna
Digital Input (24V DC)	4	16	16	10
Digital Output (24V DC)	4	16	16	-
Analog Input (configurable 0..10V DC, 0..20 mA DC)	-	4	4	8
Analog Output (0..10V DC/ 0..20mA DC)	-	-	-	2/2
Temperature sensor	-	-	-	-
PT 100	-	-	-	6
Thermocouple	-	-	-	4
Relais Output (230V AC/DC)	-	2	2	2
Operating system supported software	Linux OS (Standard: Debian Linux, Custom: customized Yocto image) C/C++, C# (Mono), Java (OpenJDK), Python, Node-RED, OpenPCS (IEC-61131)			