

CONPROSYS nano Overview

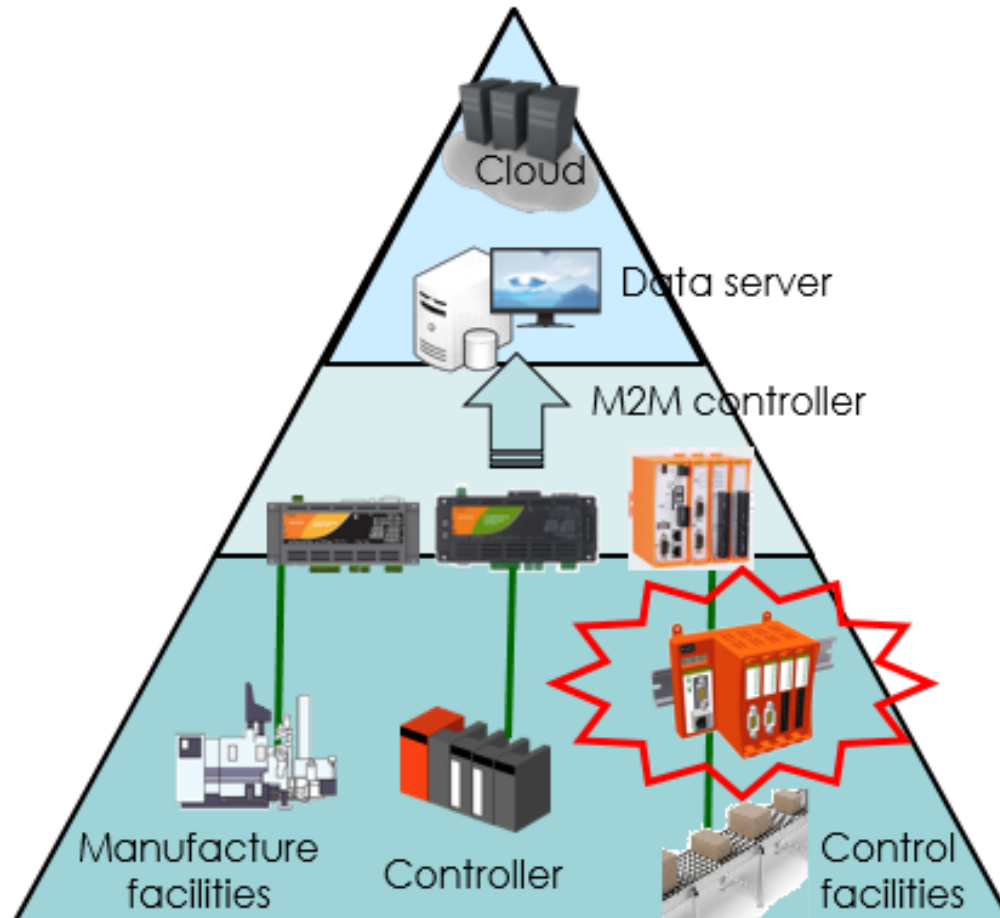


May, 2018
CONTEC Co., Ltd.

Key Strategic Products for Collaboration

CONPROSYS nano for “inexpensive IoT”

System Diagram



CPSN-PCB271-S1-041

CODESYS Modbus Master CPU Unit



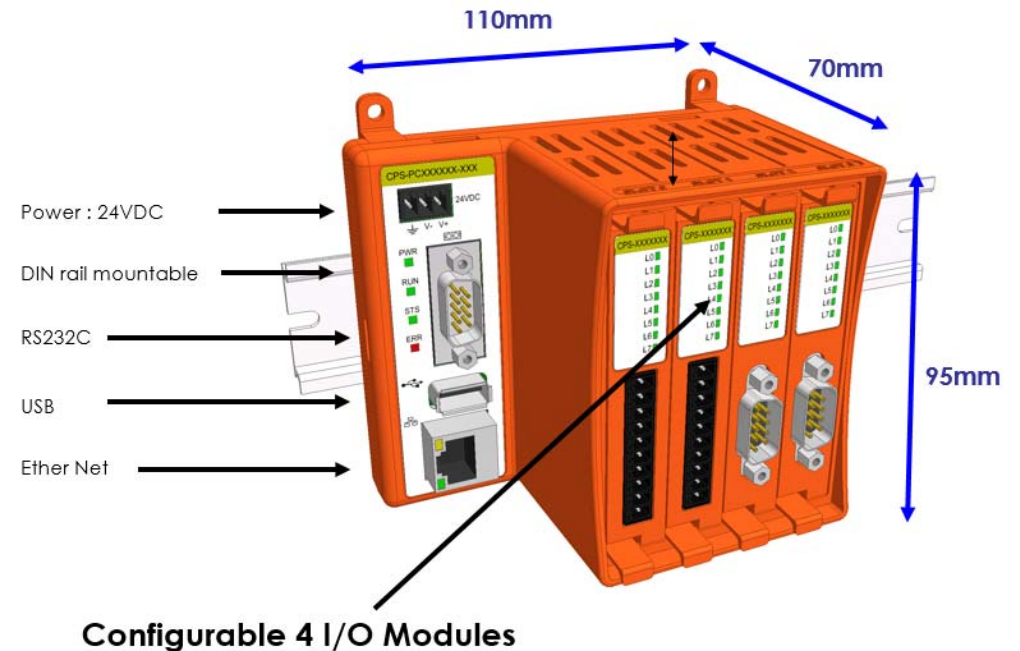
CODESYS

Coming Soon

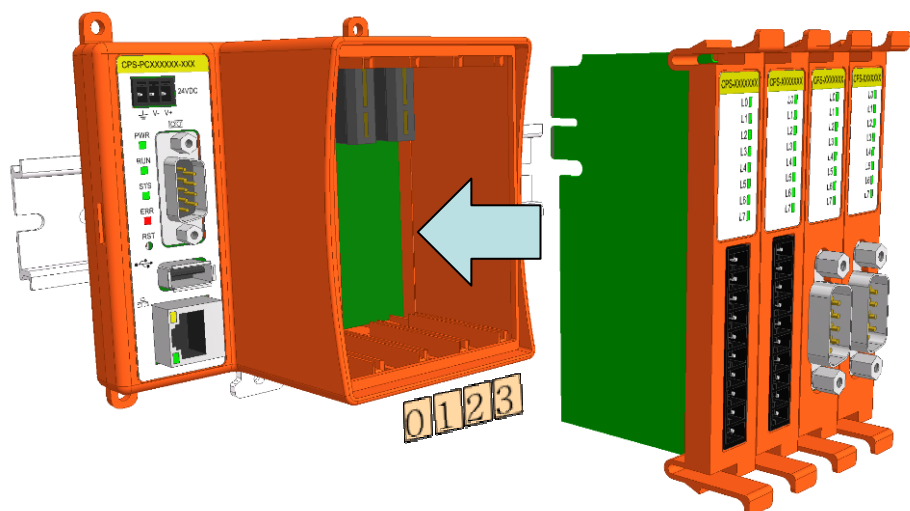
CPSN-MCB271-S1-041

CONPROSYS nano Series Remote I/O CPU Unit

NEW



CONPROSYS “nano” - I/O Modules



《I/O Modules》

《Available modules per expansion slot》

	Simple serial	CAN	Full serial	Digital I/O	Counter	Analog I/O
Slot 0	○		○	○	○	○
Slot 1	○		○	○	○	○
Slot 2		○	○	○	○	○
Slot 3			○	○	○	○

Type	Difference	Meaning	CH number	Stock
Digital	DI8L	Isolation Digital Input (Sink/Source)	8	In Stock
	DI8BL	Isolation Digital Input Power Supply (Source)	8	In Stock
	DO8L	Isolation Digital Output (Sink)	8	In Stock
	DO8BL	Isolation Digital Output Power Supply (Sink)	8	In Stock
	DO8RL	Isolation Digital Output (Source)	8	In 2018
	CNT	Isolation Counter Input	4	In 2018
Analog	AI8L	Isolation Analog Input (Voltage/Current)	4	In Stock
	AO2L	Isolation Analog Output (Voltage/Current)	2	In 2018
	SSI4	Thermocouple Input	4	In 2018
Serial	RS4	RS-422/485 (with Control Line)	1	In Stock
	CAN	CAN Interface Board	1	In 2018

CONPROSYS “nano” Products



Coupler Unit	Model number	Features
Remote I/O CPU(4 slots)	CPSN-MCB271-S1-041	Windows/Linux driver (*1) Modbus TCP slave 4x I/O Module slots
Programmable remote I/O CPU (4 slots)	CPSN-PCB271-S1-041	EC 61131-3 compliant software PLC Modbus master / slave 4x I/O Module slots

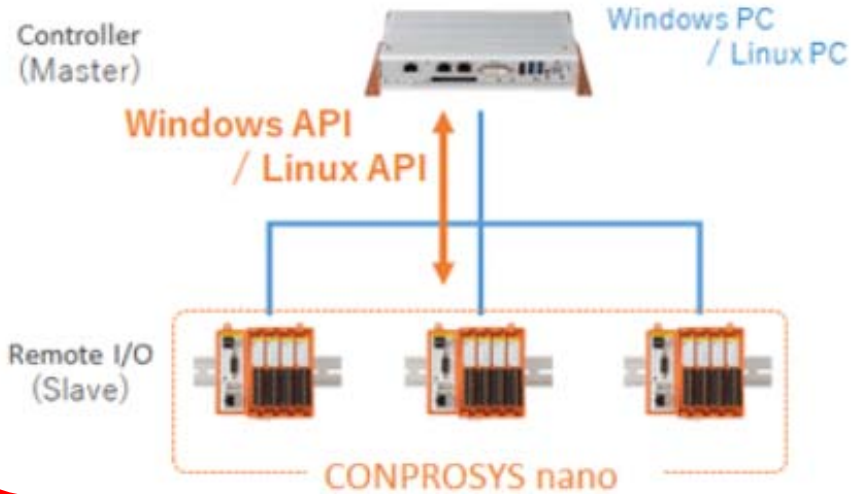


I/O Module	Model number	Features
Isolated Digital Input	CPSN-DI-08L	8 ch Opto-coupler isolated input Supports current sink / current source input
Isolated Digital Input with built-in power supply	CPSN-DI-08BL	8 ch Opto-coupler isolated input Supports current sink input 12V DC built-in power supply
Isolated Digital Output	CPSN-DO-08L	8 ch Opto-coupler isolated open collector output ,Current sink type
Isolated Digital Output with built-in power supply	CPSN-DO-08BL	8 ch Opto-coupler isolated open collector output Current sink type 12V DC built-in power supply
Isolated Analog Input	CPSN-AI-1208LI	8 ch Single-ended Input (Voltage) 4 ch Differential Input (Voltage / Current)

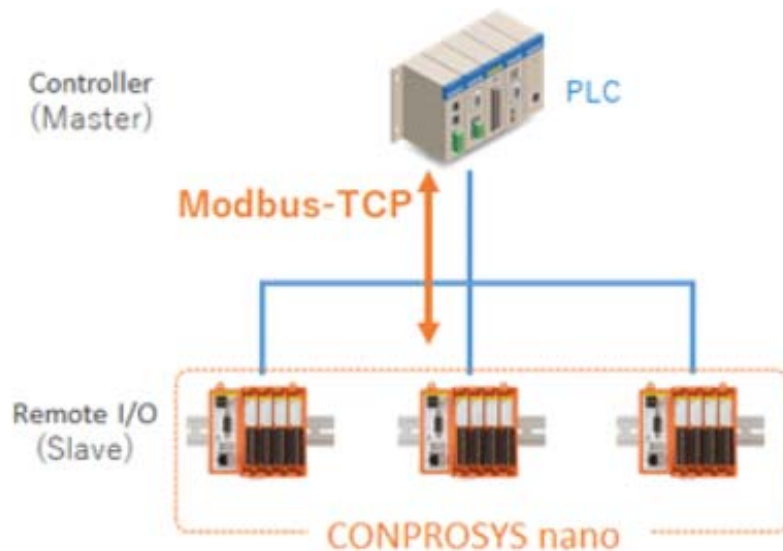


Configuration Examples of CONPROSYS™ nano Based IoT System

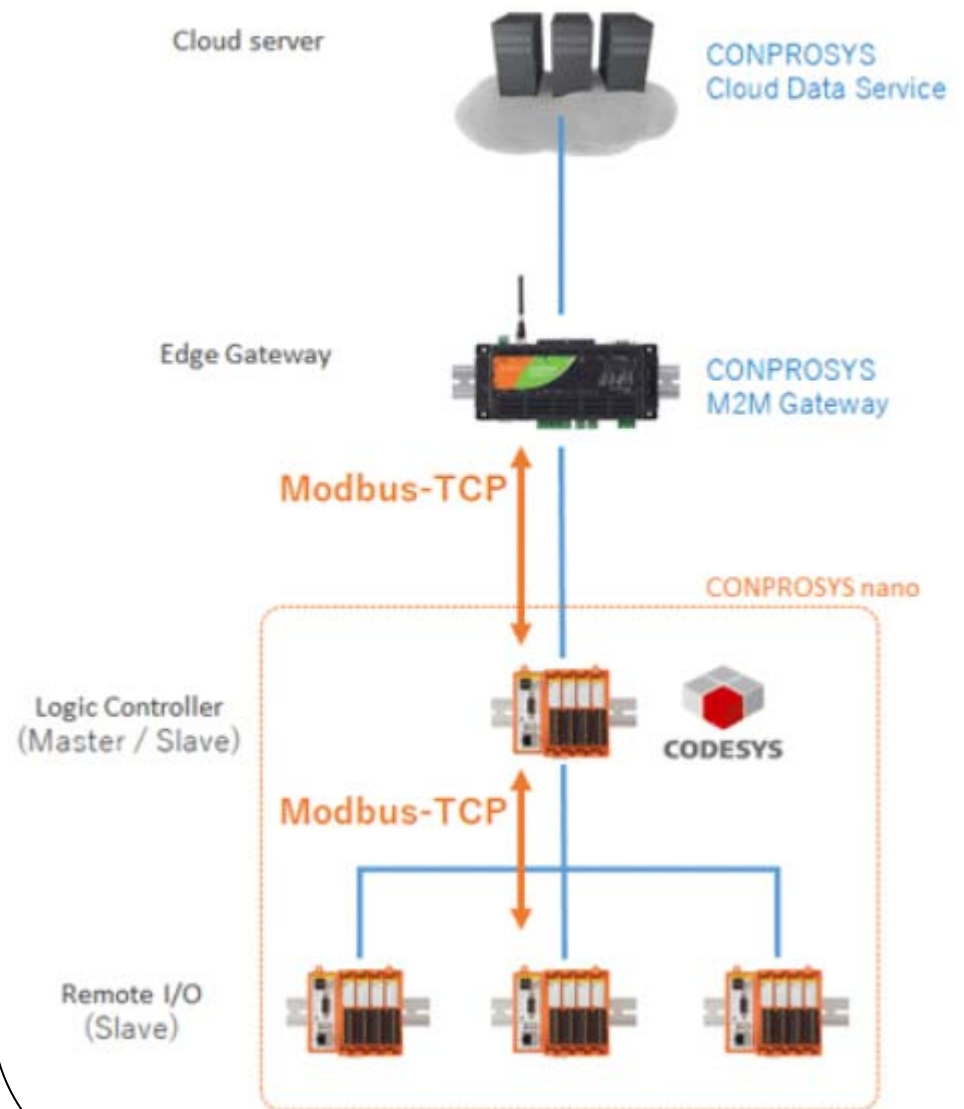
Remote I/O for Windows / Linux PC



Remote I/O for PLC

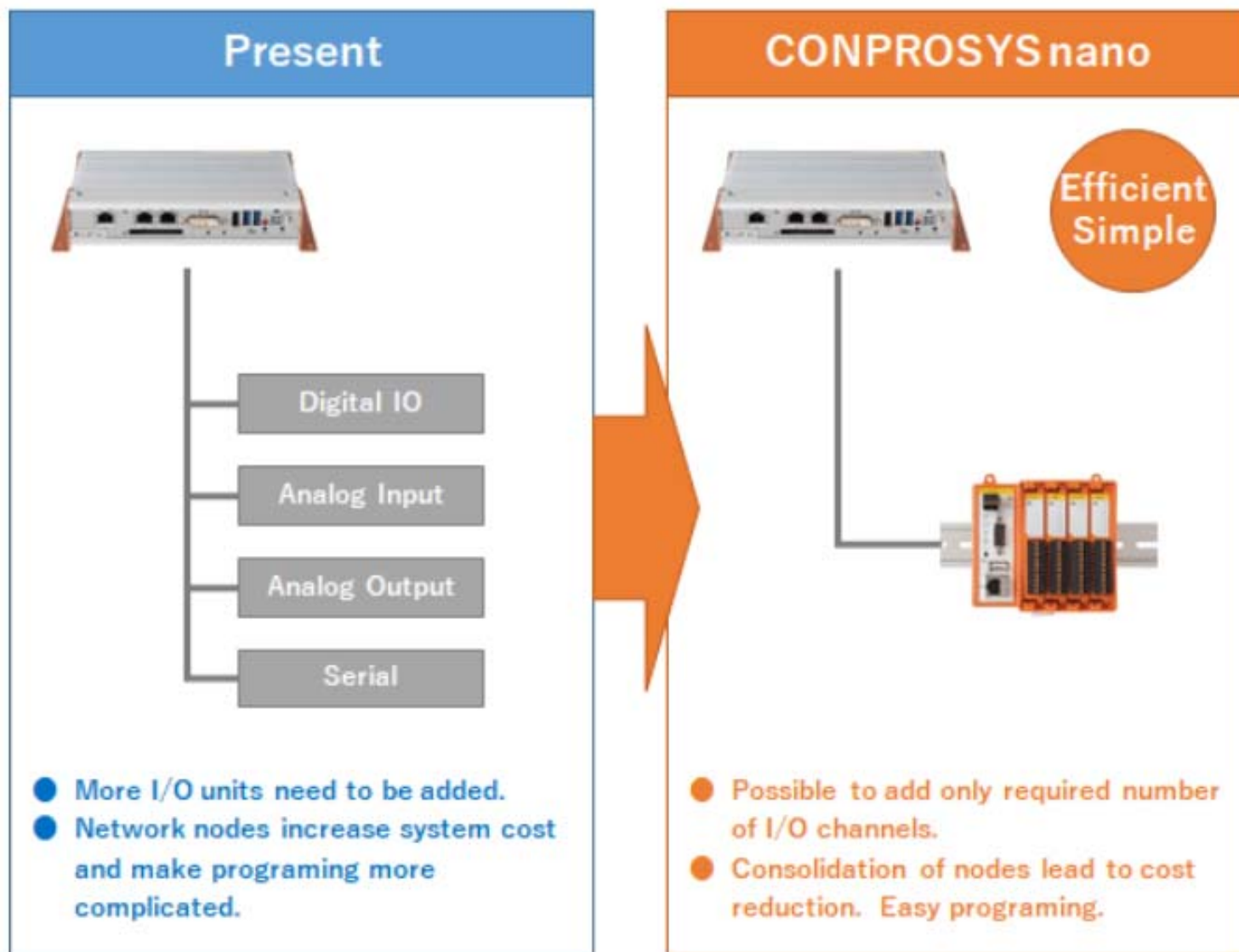


Programmable Logic controller



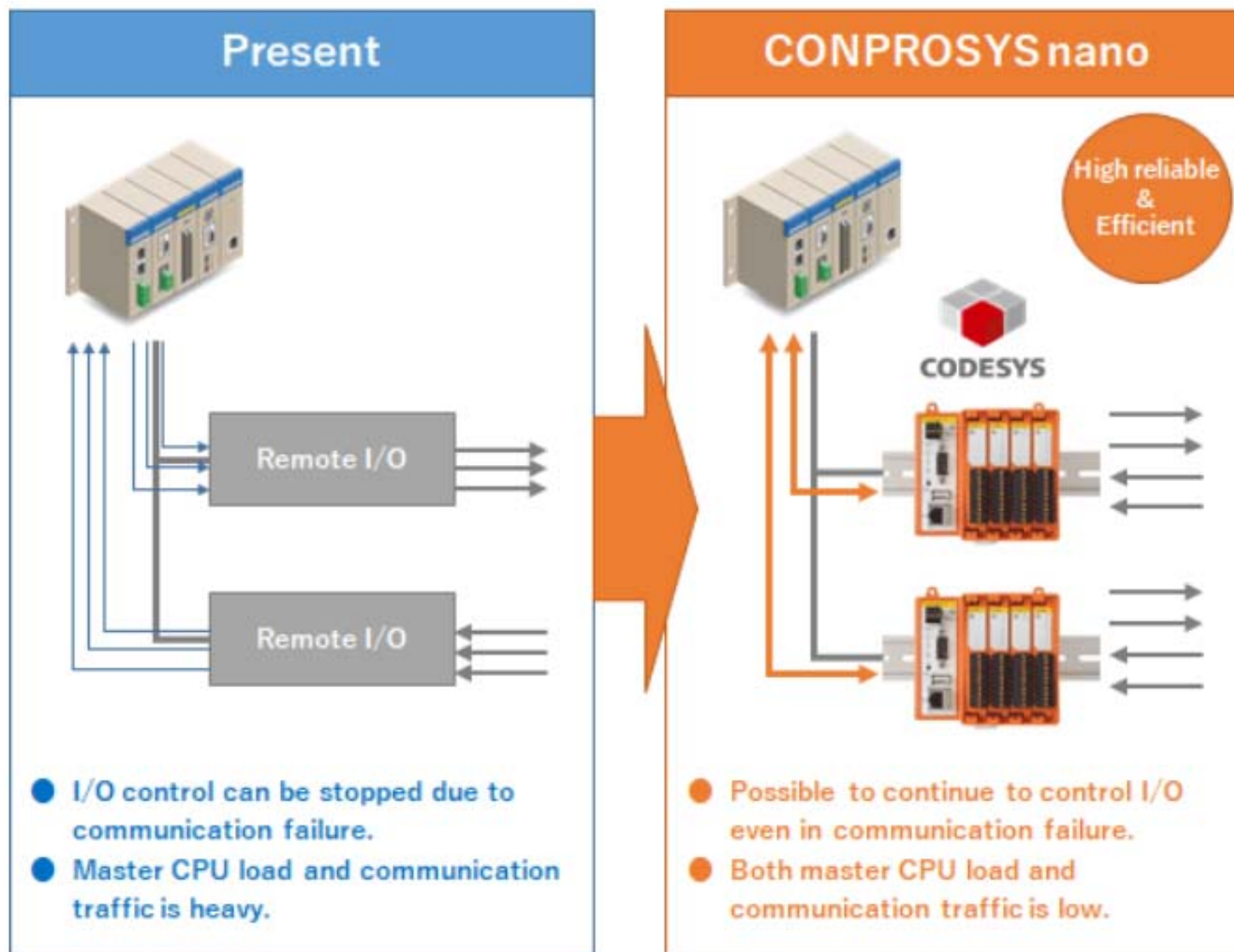
Benefit of Using CONPROSYS™ nano Series

Flexible module type Remote I/O



Benefit of Using CONPROSYS™ nano Series

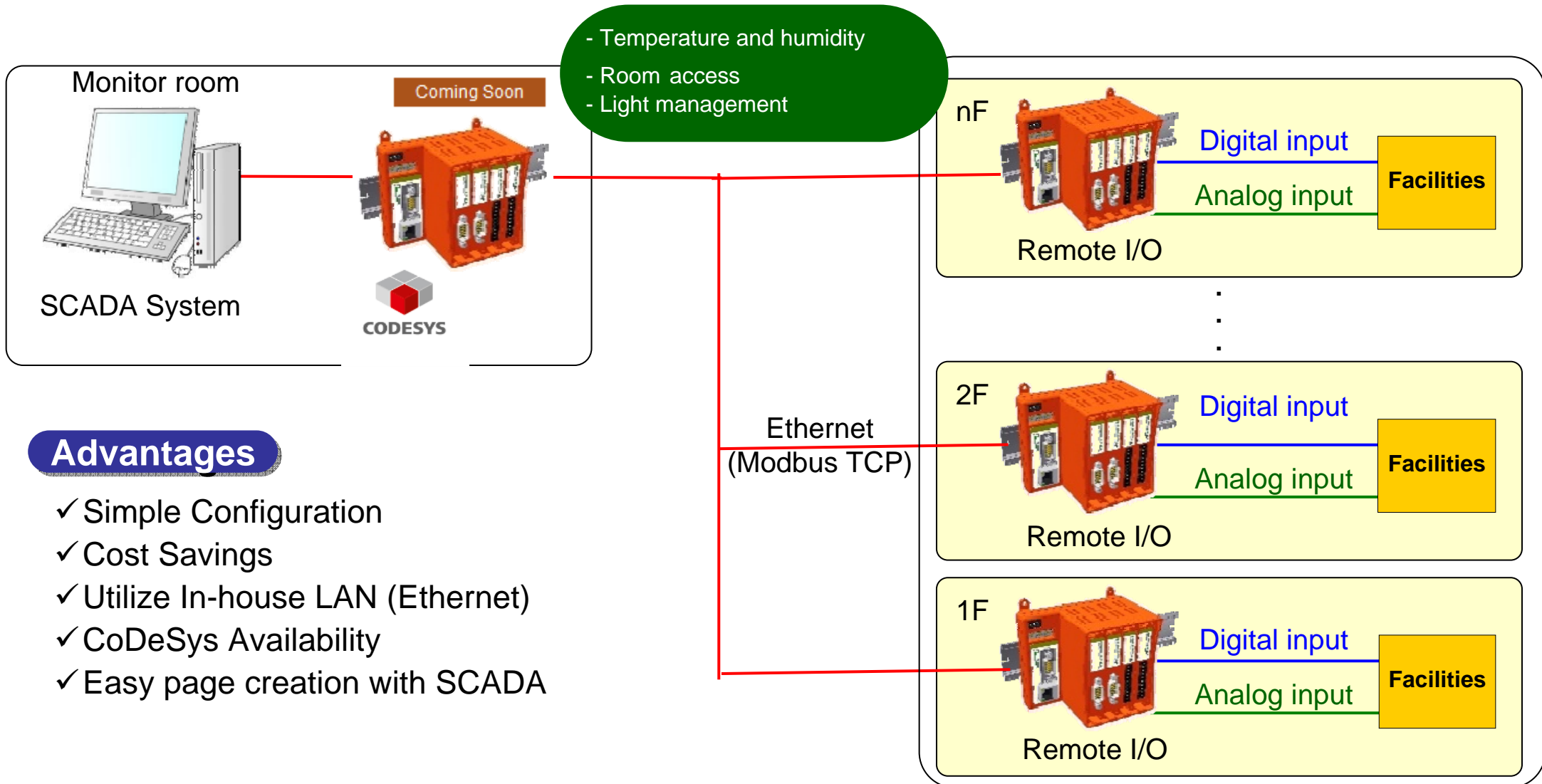
Highly efficient programmable Remote I/O



CONPROSYS “nano” - Case study

《 Building Monitoring system》

“nano” can provide the cost savings with achieving the reliable configuration with various I/O modules.



Advantages

- ✓ Simple Configuration
- ✓ Cost Savings
- ✓ Utilize In-house LAN (Ethernet)
- ✓ CoDeSys Availability
- ✓ Easy page creation with SCADA