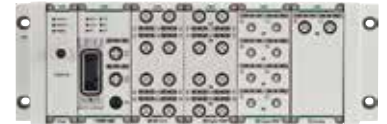


Remote I/O RT Series



OPC UA device unit added



IP65/IP67

What is OPC UA?

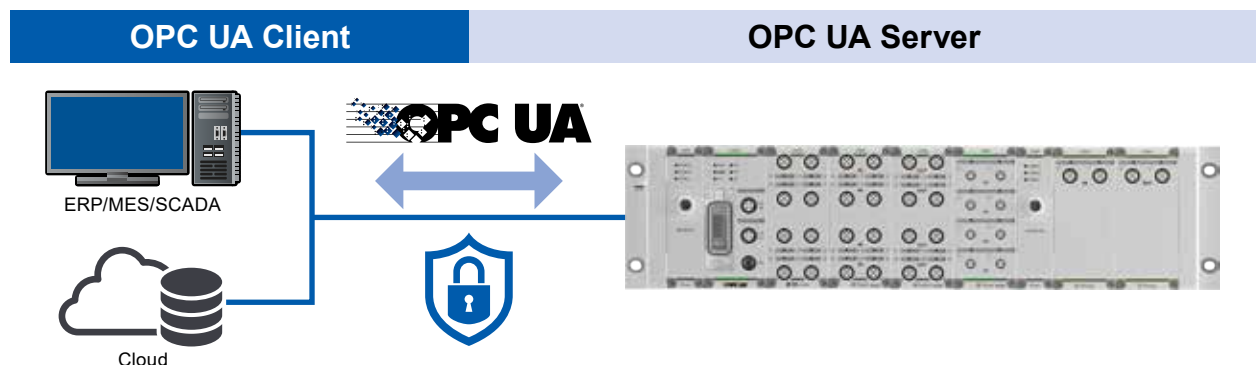
OPC UA is a secure, reliable data exchange standard for industrial communication that enables interoperability between multi-vendor products and across different operating systems. It allows industrial systems, such as those used in factories, to be integrated with IT systems.

Network feature comparison

OPC UA
Industrial networks other than OPC UA

Applications

Information monitoring
Control



CKD Corporation

CC-1660AA

Secure IT integration of production site sensor data using OPC UA

It's Fast! Connected! Tough! Remote I/O for the worksite

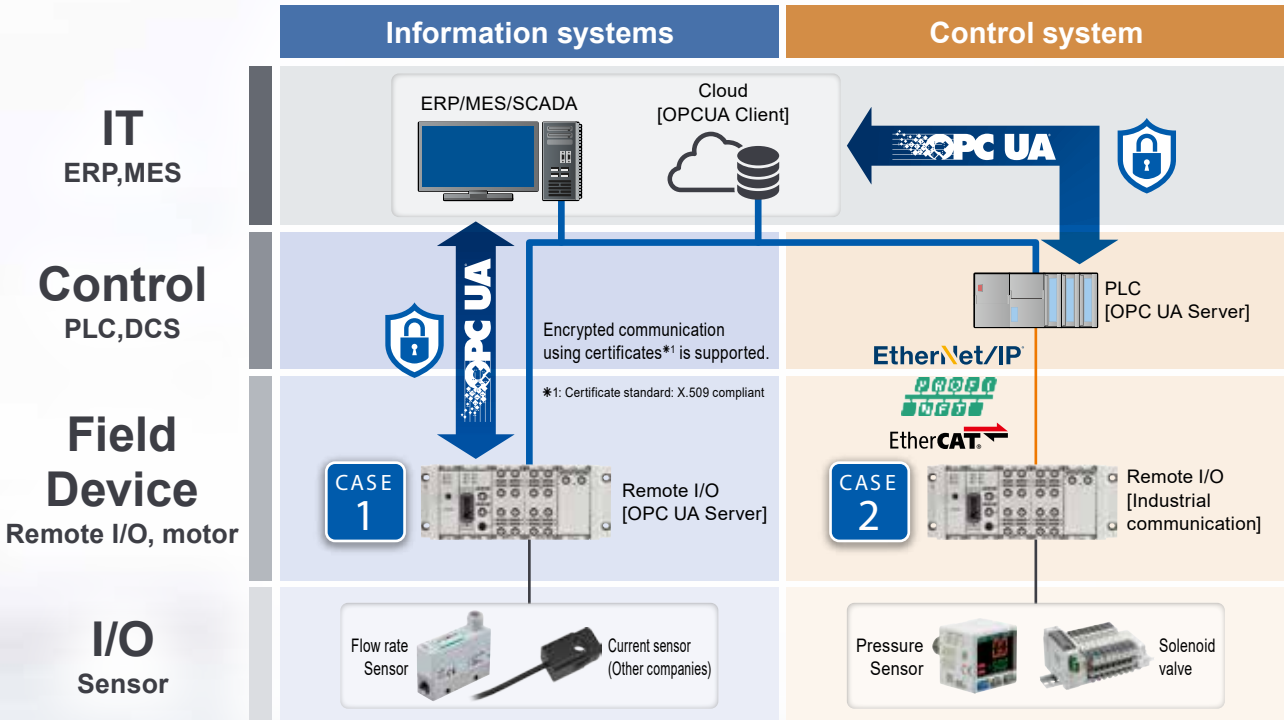
Communication protocols can be selected to match the production system.
OPC UA is recommended for data collection independent of the control system!

- CASE 1

Monitor sensor data without using a PLC
- ▶ Remote I/O for OPC UA servers
- CASE 2

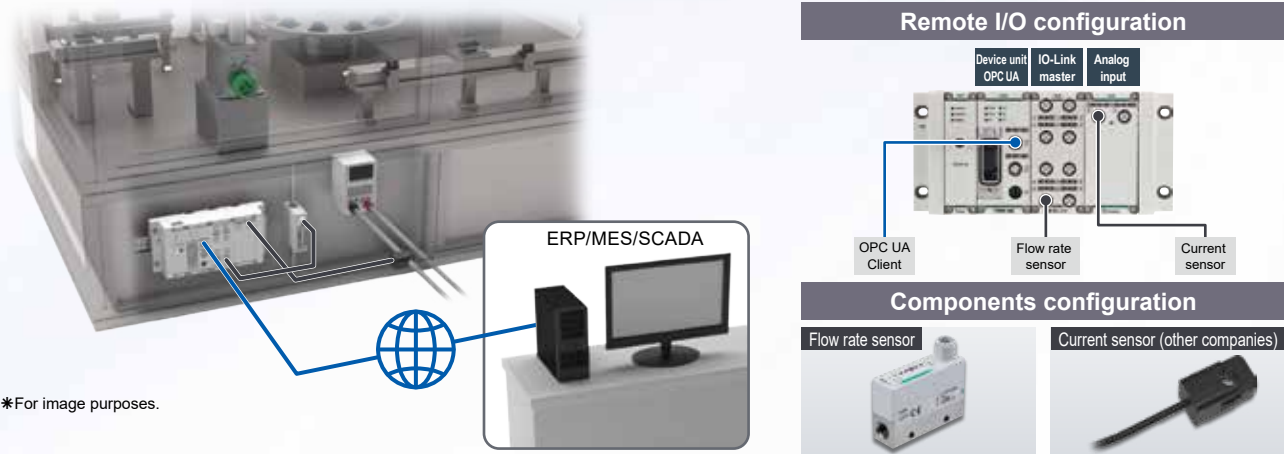
Monitor and control sensor data via PLC
- ▶ Remote I/O for industrial networks*1

*1: Supports EtherCAT, PROFINET, and EtherNet/IP.



Application: CO2 Emission Monitoring System for Production Facilities

This system uses air flow sensors and current sensors, connected to remote I/O, to monitor CO2 emissions. The sensor data is transmitted directly to the IT system. Since this data stream is independent of the control PLC, there is no impact on equipment operation, and the desired energy data from the equipment can be managed using an OPC UA client.



*For image purposes.

- Update Cycle:

Fastest: 0.5 ms
- Max. connections:

18 units
- Rugged and Durable:

IP65/IP67 Design

High-speed internal communication enables high-speed device control and status monitoring. Contributes to faster production tact time.

Supports a total of 512 bytes (4096 points) of I/O. The type and number of units can be selected according to the equipment specifications.

IP65/IP67 (dust-proof/jet-proof) design. Ready to be installed near the actuator. Control panel is not required, increased layout flexibility.



Count as a connected unit		Input	
Do not count as a connected unit		Output	

*Push-in terminal block will be IP40.

End Unit	Power	Device unit	IO-Link master	Digital input (M12)	Digital output (M12)	Digital input Push-in Terminal block 32 points	Digital output Push-in Terminal block 32 points	Digital input (M8)	Power	Analog input (M12)	Analog output (M12)	End Unit
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IO-Link Digital input/output Analog input/output

Electric gripper / built-in controller

Electro pneumatic regulators

Flow rate controller

Flow rate sensor for water

Cylinder switch

Measuring hand

Pressure switch

Flow rate sensor

Electric actuator

Solenoid valve

Flow rate sensor for fluids

Flow rate sensor for air

Pressure sensor

Pneumatic valve

Electro pneumatic regulators

Contact sensor

Vacuum ejector



Device unit

RT-XTEUN00N



Communication unit connecting OPC UA client and I/O unit

Specifications

Item		RT-XTEUN00N
General specifications	Size (W×H×D)	mm 46.1 x 106 x 55.8
	Weight	g Approx. 230
	Environmental resistance	Degree of protection IP65/IP67 (with manifold)
		Operating ambient temperature range °C -10 to 55
		Working atmosphere No corrosive gas or excessive dust
	Vibration resistance	10 to 57 Hz Single amplitude: 0.75 mm
		57 to 150 Hz Acceleration: 98 m/s ²
	Shock resistance	m/s ² 294
Communication specifications	Network	OPC UA compatible
	Connector	M12(D)4pin female×2
Input specification	Max. number of points	Max. 4096 points (512 bytes) including input and output
Output specifications	Max. number of points	
Electrical specifications	Internal current consumption mA	For unit/input 100 or less
		For output 20 or less
	LED	For components/communication status display/8 pcs
Function specifications	Number of connectable I/O units	17 units
	Unit automatic recognition	Recognition and monitoring of unit type/order
	Configuration software	Connect to PC with USB (micro typeB) or Ethernet
	Data synchronization interval between units ms	Approx. 0.5 (min.)

How to order

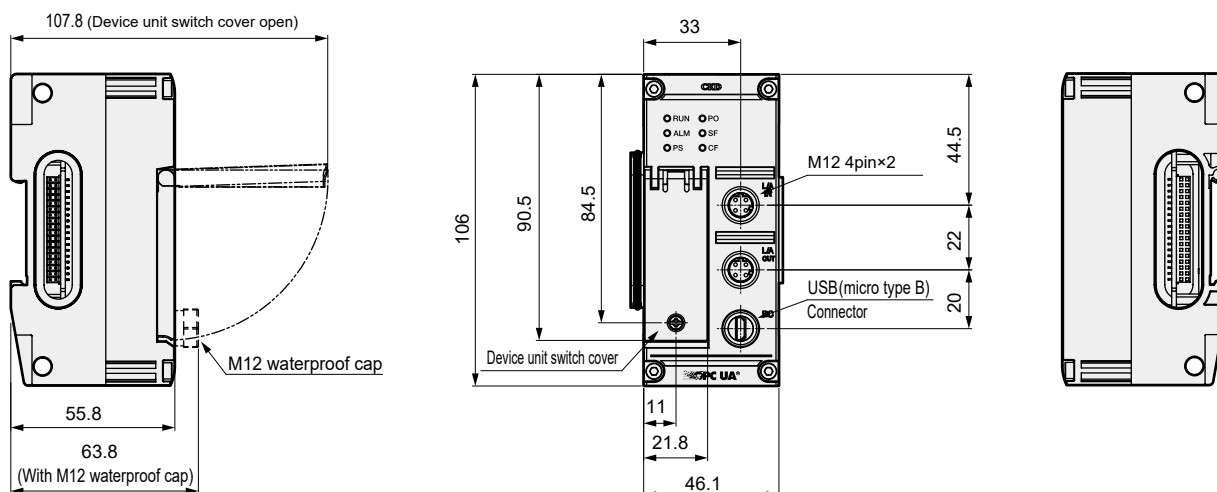
RT - **XT** **EU** **N00N**

Model No.

Main function

EU OPC UA compatible device unit

Dimensions



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CKD Corporation

[Website]

<https://www.ckd.co.jp/en/>

Head Office · Plant
Tokyo Office

Osaka Office

2-250, Ouji, Komaki, Aichi 485-8551
4F, Bunkahousou Media Plus, 1-31-1, Hamamatsu-cho,
Minato-ku, Tokyo 105-0013
6F, PMO EX Shin-Osaka, 4-2-10 Miyahara,
Yodogawa-ku, Osaka 532-0003

TEL(0568)77-1111 FAX(0568)77-1123
TEL(03)5402-3620 FAX(03)5402-0120

TEL(06)6396-9630 FAX(06)6396-9631