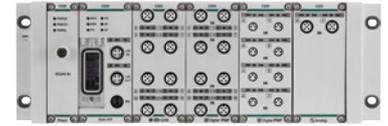


Remote I/O RT Series



Web API device unit added



 **IO-Link**

IP65/IP67

What is Web API?

A Web API is an API implemented using Web technologies such as HTTP and HTTPS. An API (Application Programming Interface) is a mechanism for sharing some of a program's functions so they can be used by another program.

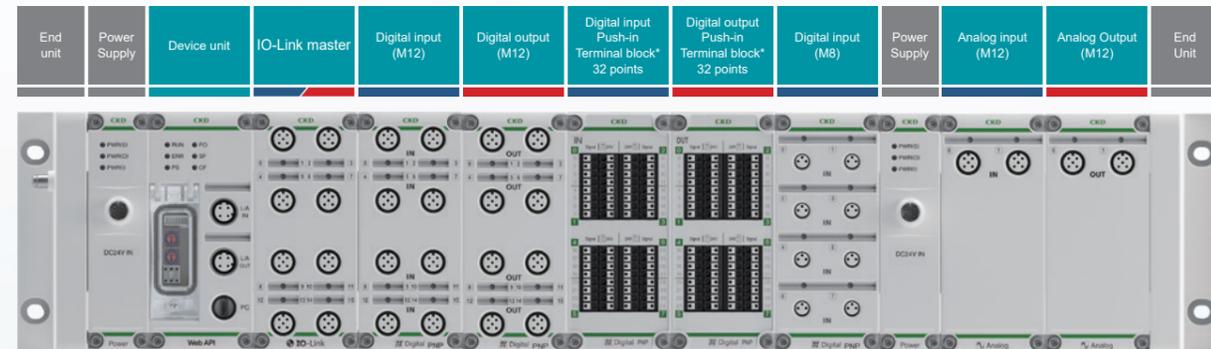
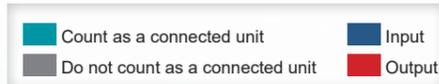


Web API Remote I/O Enabling Direct Access

to Sensors and Actuators from a PC

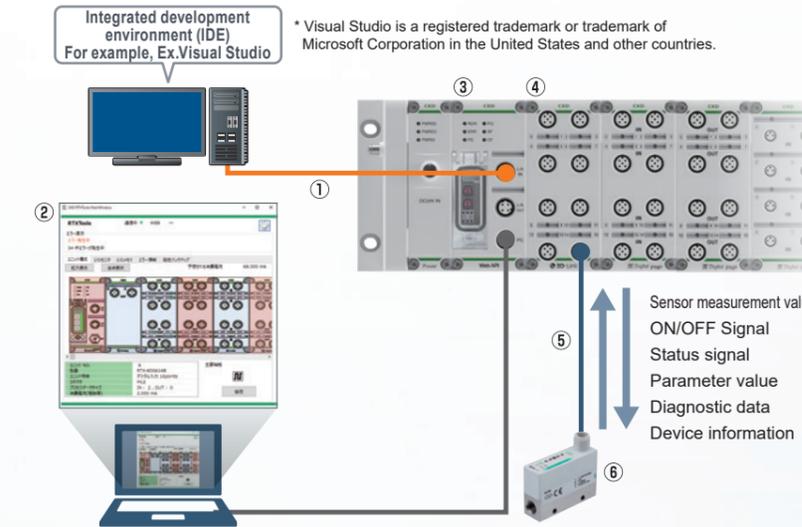
Modular that can also use IO-Link

- ✓ Max. device unit data size: 512 Bytes (total of inputs and outputs)
- ✓ Advanced remote I/O that can connect up to 18 units



* IP40 when the push-in terminal box unit is added.

System Configuration



- ① Ethernet cable
- ② Device unit setting*
 - Software for setting and monitoring the device unit, IO-Link master, and each unit (RTXTools).
 - Connect PC and RT with USB cable
 - * Available free of charge on the CKD website
 - * RTXTools can also be set from port Ethernet.
- ③ Device unit (Web API)
 - I/O 512byte (4096 points).
- ④ IO-Link master
- ⑤ Communication cable for IO-Link device
- ⑥ IO-Link device

Selection

This remote I/O with a Web API device, directly controllable from a PC or panel computer, is ideal for integration into systems where a PC is necessary for the configuration, such as for image inspection or information gathering.

- ✓ For when high-speed response is required **Remote I/O for Industrial Networks *1**
- ✓ For when you want to keep equipment costs low **PC + Web API compatible Remote I/O**
- ✓ For when you want to control Vision & Actuators with a PC **PC (Exia*2) + Web API compatible Remote I/O**

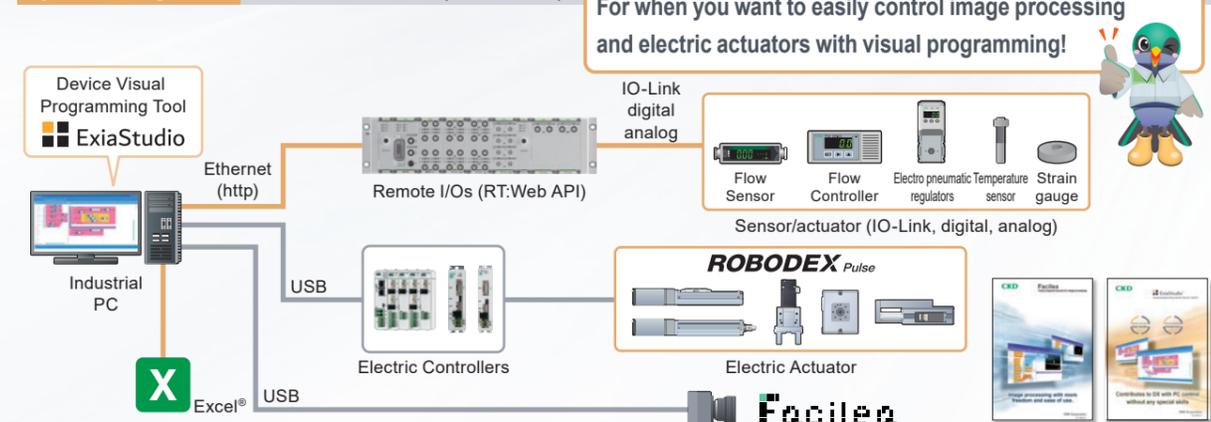
Select by Control Device (PLC or PC)

	PLC+RT (Industrial network)	PC+RT (Web API)	ExiaStudio*2+RT (Web API)
Components cost	△	◎	○
Number of processes for programming	△	△	◎
High-speed response	◎	△	△

Select by Components Used

	PLC+RT (Industrial network)	PC+RT (Web API)	ExiaStudio*2+RT (Web API)
PC	△	◎	◎
Electric Actuator	◎	△	◎
Image inspection	○	○	◎

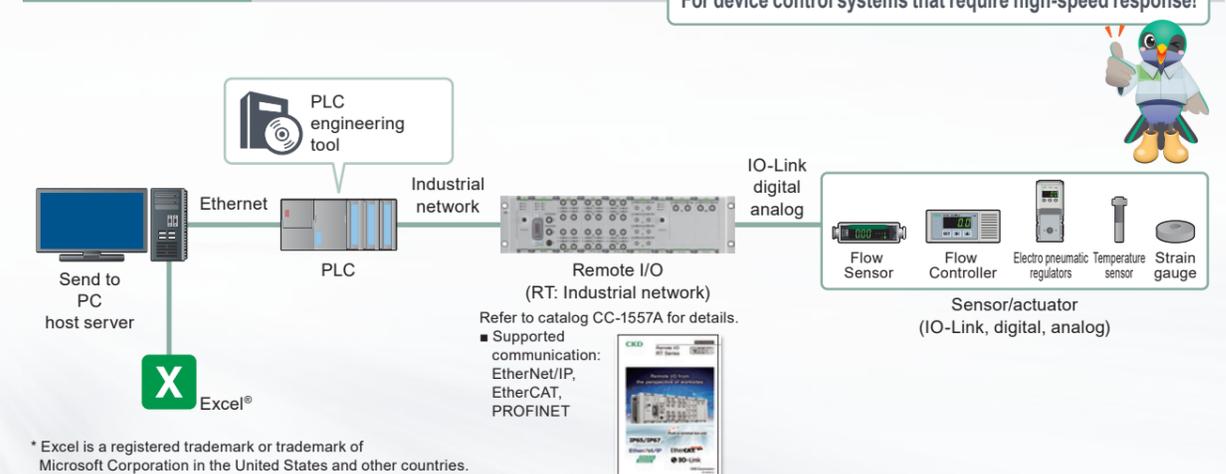
System Configuration ExiaStudio+RT (Web API)



* Excel is a registered trademark or trademark of Microsoft Corporation in the United States and other countries.

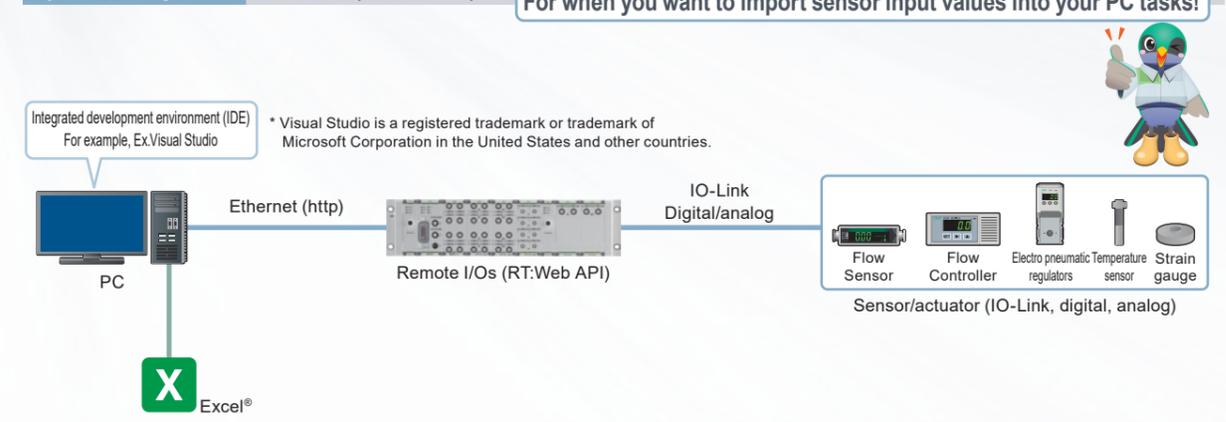
*1 Refer to the RT Series catalog (CC-1557A) for compatible with industrial networks.
 *2 Refer to Device Visual Programming Tools ExiaStudio Catalog (CC-1579A) for ExiaStudio.
 *3 Refer to the catalog (CC-1548) for Visual programming tool for image processing Facilea.

System Configuration PLC+RT Industrial Network



* Excel is a registered trademark or trademark of Microsoft Corporation in the United States and other countries.

System Configuration PC+RT (Web API)



* Excel is a registered trademark or trademark of Microsoft Corporation in the United States and other countries.



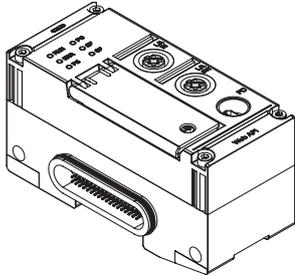
Device Unit

RT-XTEAN00N



Communication unit connecting the PC and I/O unit

Specifications



Item		RT-XTEAN00N	
General specifications	Size (W×H×D)	mm 46.1×106×55.8	
	Weight	g Approx. 230	
	Environmental Resistance	Protection Structure	IP65/IP67 (with manifold)
		Ambient temperature°C	-10 to 55
		Working atmosphere	No corrosive gas or heavy dust
	Vibration Resistance	10 to 57Hz	Single amplitude : 0.75mm
57 to 150Hz		Acceleration : 98m/s ²	
Shock Resistance	m/s ²	294	
Communication specifications	Network	WebAPI compatible json	
	Connector	M12(D) 4pin female × 2	
Input specification	Max. number of points	Max. 4096 points (512 bytes) including input and output	
Output Specification	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.)

* WebAPI compatible device unit units are not UL compliant.

Model No. Notation Method

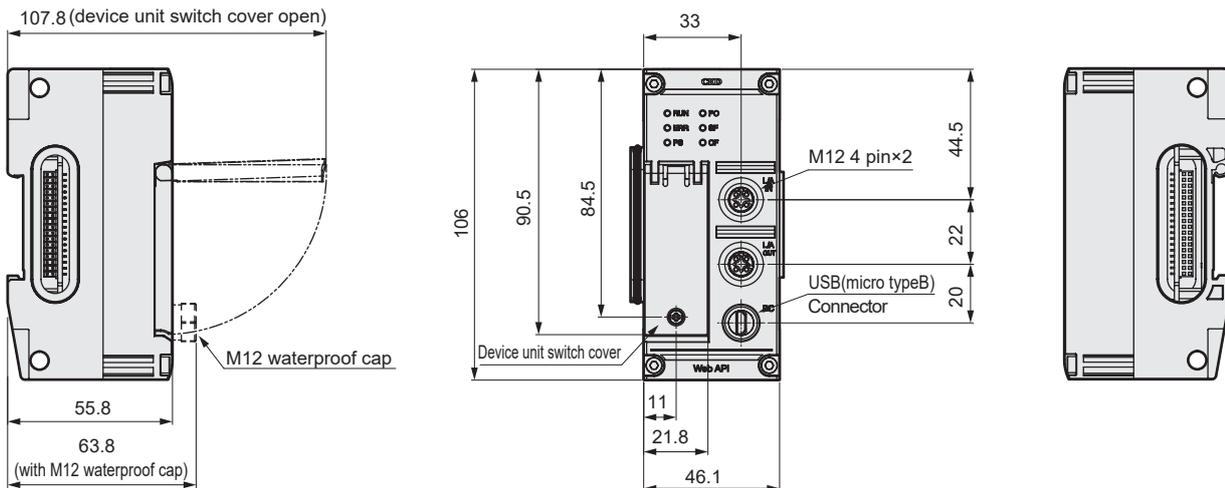
RT - **XT** **EA** **N00N**

Model No.

Main function

EA WebAPI compatible device unit

External Dimension Drawings



* This figure shows RT-XTECN00N. The logo and other printing parts differ depending on the main functions.

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