IoT Products

Purpose-built technology solutions for a wide range of applications

M2M / IoT Solutions CONPROSYS™

Flexible support for building your M2M / IoT system with various of products, software and services.

IoT Gateway

M2M Controller

Establish an IoT environment quickly and easily with this base model

- Supports OPC UA / MTConnect
- Integrated type controller includes a wide variety of I/O interfaces
- Configurable type controller supports up to 20 various I/O modules

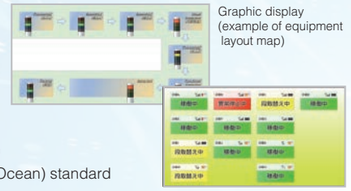
M2M Gateway

PLC / CNC data logger

- Compatible with major PLC / CNC manufacturers
- Supports OPC UA / MTConnect
- Links up to 10 systems and 256 register groups

Signal Tower Light Monitor

EnOcean based wireless sensor for CONPROSYS controllers



Graphic display (example of equipment layout map)

Status monitoring screen (Andon display)

- Easy installation and setup
- Power saving wireless (EnOcean) standard
- Ready to use monitoring screens

Function

CONPROSYS VTC (Visual Task Control)

Up to 30 kinds of function-icons support you scripting easily

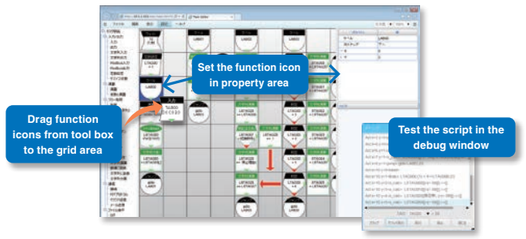
Up to 20 main tasks and 10 subtasks are supported

Data linking with CONPROSYS HMI

■ Easy Processing and Control

— Device setting, data saving, and script debugging are completed with web browser —

Support multiple platforms (Windows, Android, iOS, MAC, Linux)



CONPROSYS HMI (Human-Machine Interface)

Creating screens with a variety of prepared display items

Data linking and checking can be performed at the same time as editing the screen

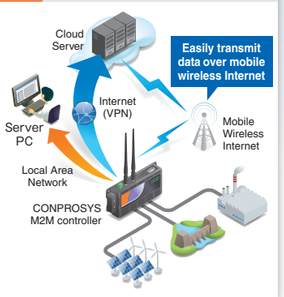
Enables visualization just with CONPROSYS

■ Monitoring

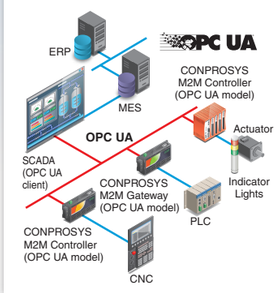
— Device setting, data saving, and script debugging are completed with web browser —

Support multiple platforms (Windows, Android, iOS, MAC, Linux)

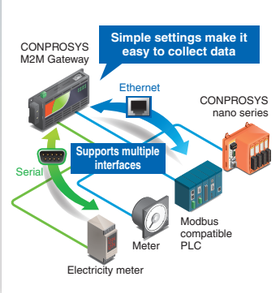
Data Transmission



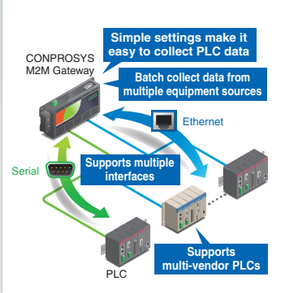
Supports OPC UA Standard



Modbus Master



PLC Master



PAC (Programmable Automation Controller)

PAC series

CODESYS runtime system pre-installed programmable controller

- Either EtherCAT or Modbus supported models
- Compatible with both integrated and configurable models

EtherCAT slave

EtherCAT features allow I/O modules to be controlled from a distance. Up to 16 I/O modules can be stacked to one slave unit.

- EtherCAT slave unit is compliant with EtherCAT Modular Device Profile (MDP) standard (ETG.5001.1).
- Daisy chain connection

Remote I/O

CONPROSYS nano Slave type

- PC / PLC-based centralized control
- A wide range of I/O modules can be used as remote I/O for communication devices having Modbus master functions.

CONPROSYS nano Software PLC type

- Suitable for distributed control
- CODESYS runtime is built-in (IEC 61131-3 standard compliant)
- 4 × I/O module slots

IO-Link Master CPSL-08P1EN

- Simple connection with IO-Link sensors
- Supports multiple field bus protocol
- IP67 dust-proof, drip-proof design

Supports all kinds of signals

- Voltage I/O
- Current I/O
- Temperature input
- Counter
- Digital I/O
- Relay Output
- RS-485 Communication

Good for all kinds of fields

Software

Web HMI/SCADA Software CONPROSYS HMI System (CHS)

- HTML5 technology-based
- Access anywhere
- Real SCADA realized by web system
- Support CONPROSYS IoT devices
- Support MQTT (Built-in broker)
- Easy online purchase

MyCommerce
A Digital River Company

Visit our demo page of CONPROSYS HMI System (CHS)!

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CONTEC

Technology for a better life

DAQ / Wireless LAN Products

Measurement and Control

Extensive product offering to meet advanced control and communication requirements.

PCI Express / PCI Cards

- From low price type to high function type available. More than 400 kinds of comprehensive lineups that can correspond to various equipment I/O. Windows and Linux API driver software includes convenient utility and sample programs. *Some products do not support Linux.
- Using our dedicated driver software, many products can also be used with the electronic measurement and analysis software MATLAB or LabVIEW. *Check our website for details.

HAT-Size Card for Raspberry Pi®

- Stacked connection up to 8 boards available
- Enables to utilize valuable development assets with multi-platform support

USB Modules

Adds functionality to PC through USB interface

- Compatible with USB1.1 and USB2.0
- Wide variety of function modules available
- Windows and Linux driver libraries

Wireless I/O Modules

- Possible to input voltage signals or input and output digital signals from about 1km aparted terminals wirelessly.
- Highly reliable mesh communication
- Windows driver library, API-PAC (W32) is available for free.
- Modules for US, EU, and China are ready

Bus Expansion Units

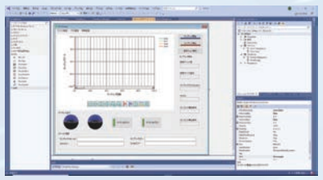
- Ideal for systems that need more PCI Express / PCI cards than the computer expansion bus slots.
- To solve the expansion slot / power capacity shortage problems.

* For Windows environment, different interfaced devices use the same API driver software download free of charge.

Application Development and Support Tools

Low-code development of measurement systems DAQfast for Visual Studio

Free download



Quick app development with three easy steps

STEP 1 Select components

STEP 2 Associate components in the property settings panel (no code)

STEP 3 Compile & execute

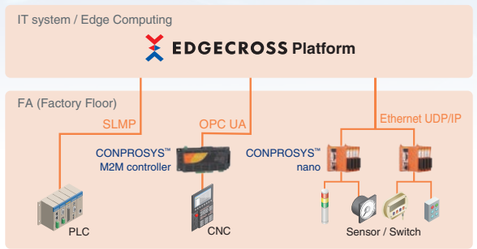
- Sophisticated components for inspection measurement and data recording apps.
- Native support for IDE Visual Studio, the standard Windows app development environment.

LabVIEW Data Acquisition Library DAQfast for LabVIEW

Free download

- Polymorphic VI adopted.
- User friendly design

Leveraging DAQ boards on Edgecross platform DAQfast for Edgecross



Data collection and read/write functions are available for devices with analog I/O, digital I/O, counter input, and Modbus slave function.

Pattern generator / Logic analyzer C-LogicDesigner

Free download

- Logic pattern creation functions (such as copy, paste, swap, and automatic generation) based on an intuitive and easy-to-understand GUI
- High-speed logic analyzer functions with sampling at up to 50MHz and pulse generator functions

Network

Wireless LAN Access Point / Stations / Converter

Access Point

FXA3000

- This product can be switched between access point (master station), station (slave station), and repeater operation modes.
- Supports an AC adapter (sold separately), DC power supplies from 5 to 30 VDC, and power supplied from the LAN connector.

Embedded Wireless LAN Board

FXE3000

- The proprietary encryption technology “WSL” available with WPA2/WPA and WEP
- Supports a various power supply
- Supports IEEE802.11n/a (W52/W53/W56)/b/g standards

Access Point for China

FXS3001-CN

- Wireless LAN converter which has been certified by the Radio Law of China.
- Compliant with 4 standards of IEEE802.11n / a (W52 / W58) / b / g

Media Converter LAN ⇔ RS-232C

RP-COM(FIT)H

- Media converter which converts serial communication (RS-232C) to Ethernet communication.
- Up to 7 channels available for RS-232C (with 3 units of COM-2(FIT)GY).

Industrial Ethernet Switches

1000BASE-T 8-port PoE
~power supply function installed~

SH-9008AT-POE

- Wide range DC power input (12 to 57VDC)
- Supports -35 to 70℃ / -31 to 158℉ ambient temperature
- IEEE802.3af / IEEE802.3at compliant
- Built-in redundant power supply and power supply abnormality detection switching circuit

1000BASE-T 8-port
~automatic power adjustment function~

SH-9008H-FIT

- Supports 0 to 50℃ / 32 to 122℉ ambient temperature
- Reduces power consumption by up to 80% with automatic power adjustment function

100BASE-TX 8-port

SH-8008F

- Wide range DC power input (8 to 35VDC)
- Supports -20 to 60℃ / -4 to 140℉ ambient temperature
- Redundant power supply, built-in power reverse wiring circuit

100BASE-TX 5-port

CPS-HBL-8005F

- Wide range DC power input (8 to 35VDC)
- Supports -20 to 60℃ / -4 to 140℉ ambient temperature

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