CONTEC

Technology for a better life

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.

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 16 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 100 register groups

PAC series

CODESYS runtime system pre-installed programmable controller

CODESYS

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

Telemeter System

Programless controller for constant monitoring

＊Only for Japan Market

- No programming required!
- All settings and operations are done by internet browser
- Data acquisition, monitoring, file storage, and event monitoring functions are pre-installed

IoT Edge Controller

Includes McAfee Whitelist

McAfee

- Quad Core / fanless system
- Supports Windows 10 IoT Enterprise
- Operating temperature range: -20 - 60°C (-4 - 140°F)

CONPROSYS nano

Ethernet Remote I/O

GOOD DESIGN AWARD 2018

- Best Value
- Programmable type with software PLC (CODESYS)
- Slave type for Windows / Linux

Cloud Data Service CONPROSYS CDS2

Cloud service for CONPROSYS IoT devices

＊Only for Japan Market

- A low cost Cloud data service
- Scalable from small IoT startup to large environments
- Also functions as a data HUB with other web APIs

Network

Simple and effective network solutions

Wireless LAN base unit / slave unit

For office :

FXA3000 series

- Supports 5 GHz band (11n/a) and 2.4 GHz band (11n/b/g)
- Supports both AC adapter (sold separately) and PoE
- Global models available

For embedded equipment:

FXE3000 series

- Supports both AC adapter (sold separately) and PoE
- Reliable, high performance communication in any environment
- Optional antenna
- Supports 5GHz band (11n/a) and 2.4GHz band (11n/b/g)
- Global models available

Edge Computing

Stability, reliability, and energy saving are realized. Support a wide spectrum of industries with various variations.

Box Computers

Fanless design ideal for embedded applications.

BX-956S series

- Slim, paperback book size
- Twin CFast card slots
- Windows 10 IoT Enterprise supported

McAfee

BX-825 series

- Secure IoT device for edge computing
- Includes McAfee Whitelist
- Three Gigabit LAN ports interconnect different network hierarchies

BTO Computers

Embeddable compact controllers

EPC-3000 series

- Support 6th generation Intel Core processors
- PCI Express/PCI bus slots
- Support 4K solution graphics with 3 display output ports

Panel Computers

Fanless industrial touch panel computer

PT-956S series

- Fanless design
- 5-wire resistive touch panel
- Various I/O interfaces and twin CFast card slots

STAND-PC

Industrial All-in-One touch screen computer

- Assembled finished product
- Adopt high performance touch panel LCD
- Various I/O interfaces

Factory Automation Computers

24/7 continuous operation FA computer

VPC-1600 series

- High reliability · Long life design · Cost performance
- Easy to change parts just by removing the front panel
- Three expansion slots for PCI cards

＊ Contec also provides custom design and manufacturing.

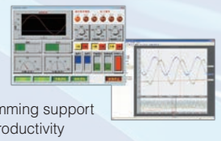
Measurement and Control

Extensive product offering to meet advanced control and communication requirements.

PCI Express Cards / PCI Cards

- From low price type to high function type. 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 are 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.

Application development and support tools



- Extensive programming support tool to increase productivity
- Free application software that can be used for business immediately without programming

USB Modules

Adds functionality to a PC through its USB Interface

- Compatible to USB1.1 and USB2.0
- Wide variety of function modules available
- Windows and Linux Driver Libraries

Wireless I/O Modules

US/EU models available

- 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 download free of charge.

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.

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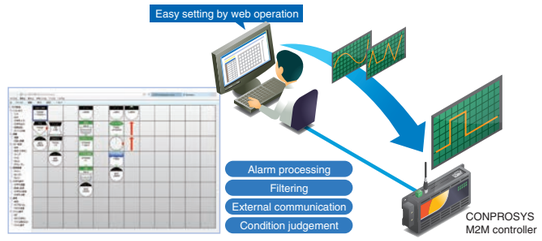
Technology for a better life

Easily visualize and analyze collected data

Smart factory provided by CONPROSYS™

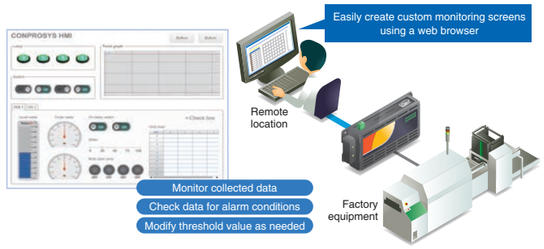
1 CONPROSYS VTC (Visual Task Control)

Signal processing can be easily set-up in a web browser. In addition, it is possible to program with a script language that only sets icons from a web browser. Task processing such as alarm and filter setting, condition judgment and external communication can be easily set in the web browser application.



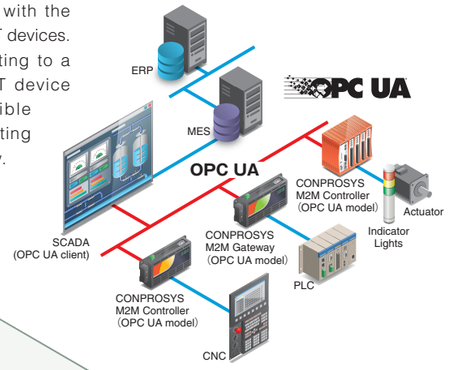
2 CONPROSYS HMI (Human-Machine Interface)

HMI displays to monitor the status of incoming signals can be easily created with just a web browser. No programming language or a special development environment is required. Simply drag and drop the predesigned display components to create your custom screens. A properties area window is used to configure display component settings and to link sensors and devices.



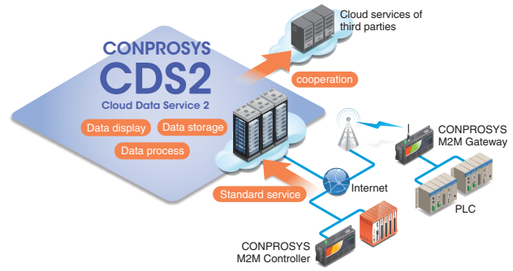
3 OPC UA Linkage

CONPROSYS IoT devices have built-in OPC UA server functions. A SCADA system equipped with the OPC UA client function, can be communicated with the CONPROSYS IoT devices. Simply connecting to a CONROSYS IoT device makes it possible to monitor existing facilities remotely.



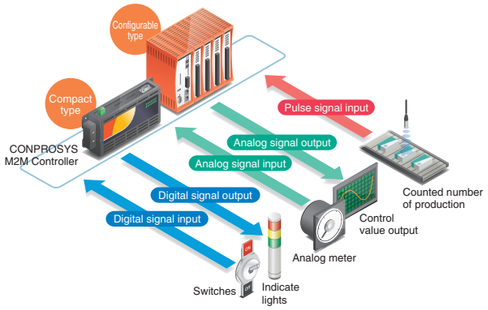
4 CONPROSYS CDS2 (Cloud Data Service 2) [This service is only for the Japan market]

CONPROSYS CDS2 makes it possible to implement both large and small IoT solutions. Easily communicates with other systems by using external APIs. CDS2 is a one-stop solution that collects data from sensors and control equipment and delivers it to the cloud. M2M communication has never been easier. Combine with SaaS for ultimate security.



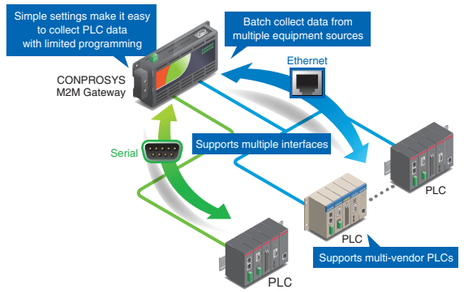
5 Signal Input and Output Function

The CONPROSYS series of controllers have signal input/output interfaces compatible with a variety of control equipment and sensors. The integrated type controllers save space and are easily configurable. The configurable type controllers offer excellent expandability. It is in a highly reliable, durable, and low-power design.



6 PLC Master

Easily connect to a variety of PLC devices to collect and monitor data.



Pulse signal input and output

Manage the quantity of produced boards of the SMT lines.

Measure quantity by using the counter function based on the ON/OFF signal from a photoelectric tube equipped on the SMT lines. The production result can then be compared with the production plan and sent to the cloud.

CONPROSYS Alpha series

Analog signals input and output

Manage the environment by collecting temperature and humidity data in the factory

Measure the temperature and humidity in the work area and monitor the WBGT in the plant. Monitor environmental conditions in critical factory and warehouse locations with a graphical display of temperature and humidity.

Digital signals input and output

Manage the operational status of lean cell production

To visualize operation time, operation rate and absence status of every worker, each working cell has been equipped with small camera. Information of operating status and number of production are displayed in real time.

Increase Efficiency

Graphical display of key production metrics

Online monitoring of screwdriver torque confirmation before work

Check screwdriver torque before work and save the result to the server. In coordination with the work instruction management system, only the passed screwdriver can be used. This picture shows a "CONPROSYS Alpha series" product that integrated that mechanism.

Online monitoring of soldering iron tip temperature

Check electrostatic & body temperature Quality retention and health management performed simultaneously

At the time of arrival, checking the static electricity charge with the electrostatic checker and measuring the body temperature with a infrared camera.Workers will work not to interfere with quality and also work in a good health condition.There is also an "CONPROSYS Alpha series" product for electrostatic checking.

An infrared camera image

Monitor the internal temperature of aging devices Aim for improvement in quality and productivity

Temperature controlled by heaters is constantly monitored to see if it deviates from acceptable parameters. The data of aging inspection is saved and utilized for traceability management. The analyzed data will be used to improve quality and productivity.