

Reliable
& Smart™

Company Overview

RS Automation has been established with the new brand name "Reliable & Smart" in January 2010 based on 30 years control automation experience from global companies such as Samsung Electronics and Rockwell Automation.

Our business portfolio is comprised primarily of designing, manufacturing and selling of control automation product as well as of providing services, technical and engineering capability to the industry automation.

RS Automation is committed to delivering "Reliable and Smart" Control Product to our global customers through our leading core technology.

In addition, we promise to provide our customers with higher quality products and more competitive prices to give them a competitive advantage in the demanding manufacturing environments.





CEO Greetings

Dear customers,
Our professional team with 30 years expertise in the automation industry launched RS Automation in January 2010.
The current business conditions call for more cutthroat and more efforts in predicting the future business climate. Despite these conditions, we will use our utmost endeavors to help you enhance your manufacturing competitiveness with our in-depth practical experience in the various industry environments and more differentiated service.
We will concentrate all our capabilities to be the global leader of industrial automation and promise to deliver real value to you as your competitive partner.
We appreciate your sincere support of our company and will continue to do our best as your reliable partner in return for your constant support.

Thank you

CEO Duk Hyun, Kang

History

2021	Achieved 112.5 billion in annual sales Strategic Partnership with LS ELECTRIC
2020	Established RS Automation USA(Nevada)
2019	Established J/V in China Hidden Champion 100 Awarded Robot Grand Prize of Korea
2017	Launched Medium capacity Servo Drive, CSD7 Series Listed on KOSDAQ Selected as a company of World Class 300
2016	Awarded Technology Grand Prize of Korea Developed 23bit Encoder
2014-2011	Launched Servo CSD7 Series, MMC-EtherCAT Launched PLC X8 Series Launched PLC NX7R
2010	Launched Servo CSD5 Series Established RS Automation
2009-2007	Renamed Rockwell Automation Korea Launched OEMax Brand in Korea
2004-2002	Launched PLC NX Series Launched Servo CSD3 Series Established Rockwell Samsung Automation, the joint venture company
1995-1992	Launched Servo CSDJ Series, Samsung Electronics Launched PLC N7000 Series, Samsung Electronics Launched Inverter Moscon-E3 Series, Samsung Aerospace
1989	Launched PLC SPC-300 Series, Samsung Aerospace Launched Servo CSD Series, Samsung Electronics Started the automation business, Samsung Electronics Manufactured and distributed YASKAWA Inverter under a technical partnership, Samsung Aerospace
1985	Manufactured and distributed Hitachi PLC H Series under a technical partnership, Samsung Aerospace

Reliable & Smart

Global brand with the highest quality and performance.



The reliable automation solution from the global brand RS Automation,
We are your new automation partner to lead the industry.

Various Product Line-up! Competitive Price! Best Quality!

RS Automation's products with extensive development and sales experience in factory automation devices provides the best solution for automated equipment manufacturing applications with various product line-up including PLC controller, AC Servo drive, network-based distributed I/O, touch panel, PCS, robot controller and competitive price and high quality. The value of a global brand designed to be easy to apply not only to industries but also to general commercial areas with world-class technology will give greater satisfaction and service to customers. Will be the best partner for the customers of RS Automation with Automation component solution of RS Automation.

PLC

X8 Series

- High performance network PLC X8 series
- Ultra slim size, medium functionality PLC
- Adopted special function of HSC, PTO, etc
- Diverse communication port (USB, Serial, Ethernet)
- Support diverse network and system configuration, embedded CPU redundancy function and EtherCAT Motion Control function



Touch Panel

V9 Plus Series

- 160K color and displayed 130 frame video per second
- 64MB(Flash ROM)/800KB(SRAM) memory

W9 Plus / W8 Plus Series

- High definition display of 65,536 color
- 26MB(Flash ROM)/128KB(SRAM) memory

* Specifications of products are different, please make contact to sales person for details.



Machine & Network I/O

DS60 & EC60 & XIO Series

- Adopted global standard network DeviceNet/EtherCAT
- Compact size of minimized installation space
- Flexible I/O configuration

DNM_PC1x & ECM_PC1x Series

- Adopted global standard network DeviceNet/EtherCAT
- Easy network setting through network auto scanning function
- Interface with standard API(VC++, VC#, VB)

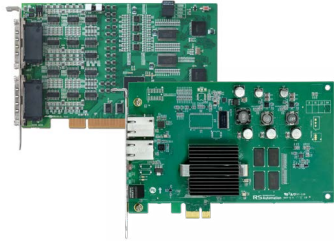


RS Automation, Realized a Global Brand with the highest quality and performance!

The RS Automation product is easy to install and use, enabling optimal configuration for unit instrument control. It is easy to apply for the various application such as semiconductor process, semiconductor equipment, energy and power generation facility, robot, injection machine, packing machine, elevator, parking equipment, washing machine, food machinery, power facility, ship, communication, textile, paper, medical equipment, electronic component, building control, etc. The superior performance and capabilities of RS Automation products has already been proven to many customers in general commercial production as well as industrial plant automation.

Motion Controller

- Provide flexible function on various motion control
- Supports various OS and development environment
- Motion control with high speed, high precision
- Pulse type(Position control), Analog type(Velocity, Torque control), Network type(EtherCAT) are provided

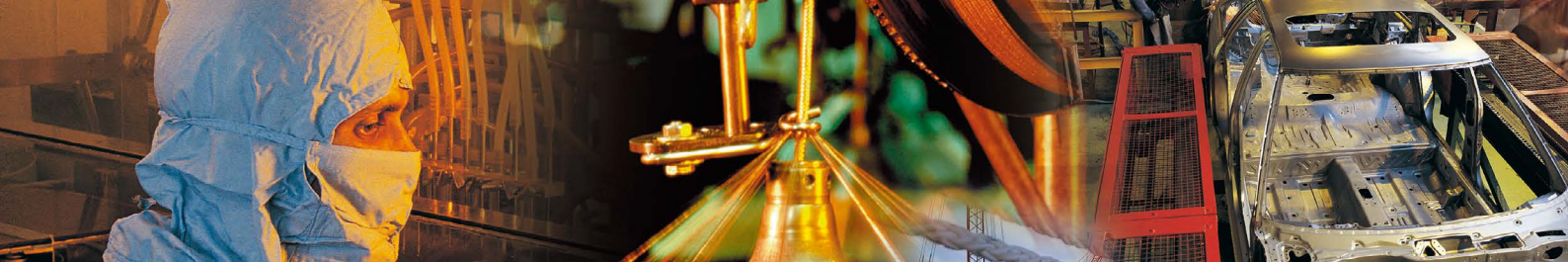
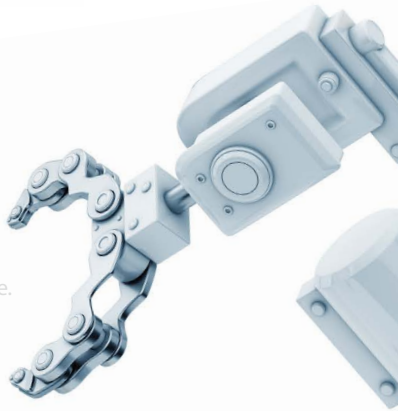


AC Servo

- Realized wide-range of precise control system with differentiated performance and high reliability
- Analog and Network(EtherCAT) Servo drives are provided
- Servo drive power rating: 100W~5kW Multi-Axis(2-Axis, 3-Axis) Servo Drive Capacity: 200W~1kW Servo motor power rating: 50W~5kW



Global brand with the highest quality and performance.



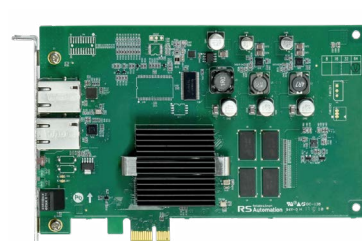
MOTION CONTROLLER

The Motion Controller, a widely applicable high performance motion controller that can be flexibly applied in various work environments.



MMC-EtherCAT

- PC based motion controller with EtherCAT network.
- Can control up to 64 axes of motion and 5,440 points I/O with 1msec cycle(CSP Mode).
- Max. four MMC-EtherCAT cards can be installed in a PC
- MMC-EtherCAT card can control Pulse/Analog Servo drive through function module.
- Provide high-end motion profiles (CAM, Gantry, Position/Velocity override, Error mapping)
- Integrated Software tool: Network and Motion configuration
- Support of Cable Redundancy and FoE



MMC-EtherCAT Master Board

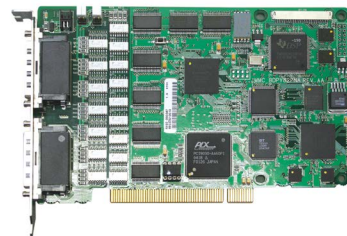


MMC-EtherCAT Function Module

MMC-Half PCI

High performance, Ultra-compact multi-axes controller

- 4, 8-axes Position/Velocity control (8-axes synchronous control)
- Analog and pulse control output
- Supports user-defined I/O, Basic 20/20 I/O, Expansion 64/64 I/O
- Supports MPG input
- 500 μ sec sampling rate
- Supports wide range of PC specifications and Windows 7/10 32bit, 64bit
- Can control up to 64-axes (When 8 cards installed in a PC)



SERVO DRIVE&MOTOR

The CSD7 Series Servo Drive and the Motor Series, integrated power supply built in for high precision control.

CSD7 Series

High performance Network & Analog Servo Drive

- Provide EtherCAT network type & Pulse/Analog type
- 2KHz Velocity Bandwidth
- Tuning-less for user convenience
- Safety Function(STO: Safety Torque Off)
- 128 Points index function in basic model
- Full Closed Loop Control
- 100W~5KW Power rating
- Close installation between products
- 3rd party motors(Rotary, Linear, DD)*



※ only for series B

D8 Series

High Performance Network Multi-Axis Servo Drive

- EtherCAT Network Type
- 3kHz Speed Response Frequency
- Available in 2-Axis, 3-Axis Model
- AC220V and DC300V Input Support
- Path-Following Function
- Stability Function(STO: Safety Torque Off)
- Predictive Maintenance Function
- 3rd Party Motor Support





CSM Motor Series

- Series: CSMA/CSMS(Low inertia)/CSMD(Medium inertia)/CSMH(High inertia)
- Supports various capacities from 50W to 5kW
- Supports 17bit/23bit, Incremental/Absolute serial encoder
- The motor is compatible with various dedicated devices series conguration
 - Cylinder/Pancake type
 - Low inertia/Medium inertia/High inertia
- Conforms to fast delivery requests



RSM Motor Series

- Supports various capacities from 50W to 800W
- Provide with optical encoder, EM300
- Absolute encoder of 22bit high-resolution
- Compatible with RSMZ motor
- Conforms to fast delivery requests



PLC

Next Generation High Performance Small PLC.



X8 Series



Micro size with features of the medium X8 Series

X8 series was equipped with various special functions(HSC, PTO) in a compact size. And various communication ports(USB, serial, Ethernet) built-in input and output ports, and built-in powerful expansion unit is configured.

- Points: 2,560P, Internal I/O: 14P, 16P, 32P, External I/O: 16P, 32P
- Memory: Program 60K Steps, DATA: 64K Words
- Communication Port: Ethernet, USB, Dual RS-232C/485 2 Ports
- Special Features: Integrated with high speed counter, pulse output, PID, timer, and SD card slot
- Variaty Network and System Conguration: Ethernet/IP, Modbus/TCP Network, Remote I/O System, CPU Redundancy and EtherCAT Motion Control Function

XGPC Software

XGPC software is the international standard IEC 61131-3 compliant software for X8 Series PLC. It supports various functions including ladder editing, online editing, monitoring, debugging, file management, time chart monitoring, and etc.



XGPC S/W(for Windows)

Features

- XGPC software based on Windows, supporting Windows XP/Vista/7/8/10.
- Allows users to edit multiple programs simultaneously, so users can compare the programs to each other or copy data from another program while programming.
- Provides various tools, allowing users to easily use programs.
- Supports various monitoring types, such as ladder, mnemonic, and register monitoring.
- Easy to modify, undo, and change a program in online.
- Provides Drag & Drop function offering quick and easy programming.
- Provides free XGPC program to X8 PLC customers.

MACHINE & NETWORK I/O

DS60 & EC60 Series, XIO Series are I/O for optimizing system connection.

Allow simple configuration of open type control systems, and easy integration of multiple systems including PC and PLCs.

DS60 & EC60 Series, XIO Series

Configure upgraded open type distributed I/O system

- Reduce wirings through single wiring
- Fast and convenient installation and maintenance
- Proven reliability through application in semiconductor/FPD equipment

Optimized solution for device control

- Compact size that minimizes installation space requirement
- Flexible expansion configuration
 - DS60 Series: Max. 64 Node, Max. 80 Points/1 Node
 - EC60 Series: Max. 64 Points
 - XIO Series: Max. 256 Points
- Diverse I/O types(DC and Relay, TR, Output and Analog I/O)
- Select between T/B terminal(RTB^{※1}) and D-SUB connector All products are certified to international specifications

Main applications

- Semiconductor/FPD equipment
- Automobiles
- Electronics assembly and inspection equipment
- Machine automation devices
- Conveyor automation line
- Textile Machine
- Food processing machine automation

Exceptional wiring reduction

※1 Only for EC60 Series, XIO Series and DS60 32P



DeviceNet
DS60 Series



EtherCAT[®]
EC60 Series



Modbus TCP
EtherCAT[®]
XIO Series

TOUCH PANEL

Touch panel for accurate control and easy monitoring, AnyTouch Series.

AnyTouch - V9 Plus, W9 Plus & W8 Plus Series

High-resolution, High-speed video display greatly facilitates operation

- High-resolution display of 65,536 colors without blinks
- Display of 30 fps video image in 16 million colors
- V9p Series
 - Display Size: 15", 12.1", 10.4", 10.1", 8.4", 7", 5.7"
 - Memory: Flash ROM 64MB/SRAM 800KB
- W9p Series
 - Display Size: 10.2", 7"
 - Memory: Flash ROM 26MB/SRAM 128KB
- W8p Series
 - Display Size :5.7"
 - Memory: Flash ROM 10.5MB/SRAM 256KB

Expandibility

- 8-way communication
- Serial connection three ports(RS-232C/RS422/RS485)
- USB 2 ports(Master/Slave)
- 100Base-TX Ethernet port embedded (for i Type Advanced model)
- MES Interface function(for i Type Advanced model)^{※1※2}

Excellent Usability

- Easy design environment with its rich library
- Enhanced switch functions

※1 Only for W8p/W9p Series.
※2 For V9p Series, all types are available.



V9 Plus Series



W8 Plus & W9 Plus Series



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