

# SANMOTION C S200

MOTION CONTROLLER

## Motion Controller for IoT-Based Remote Monitoring and Maintenance of Equipment

This controller can control motors while monitoring equipment status in real time. It contributes to improving the productivity and quality of various robots and production equipment.

Applications: Robots, conveying machines, facility equipment, automated equipment for agriculture and fishing



### Compact

This is a compact motion controller featuring high-speed EtherCAT fieldbus.

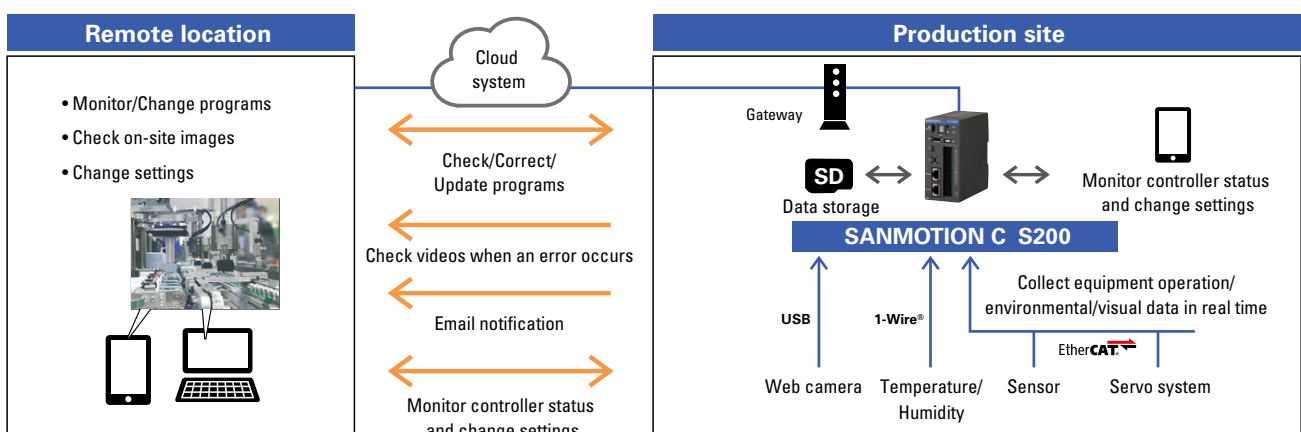
### Collects Equipment Operating Data for Improved Productivity

The controller can collect and store the operating status of a servo system and various sensor information in real time. In addition, by connecting a web camera to the controller, on-site images can be easily obtained. Leveraging the stored data contributes to improving equipment productivity. Featuring remote monitoring and operation, it can also be used for automated applications in agriculture and fishing industries.

### Improved System Maintainability

When equipment malfunctions, users will be notified via email. Also, the controller can be accessed remotely to check errors and equipment status, and change programs.

This contributes to minimizing equipment downtime and reducing maintenance costs.

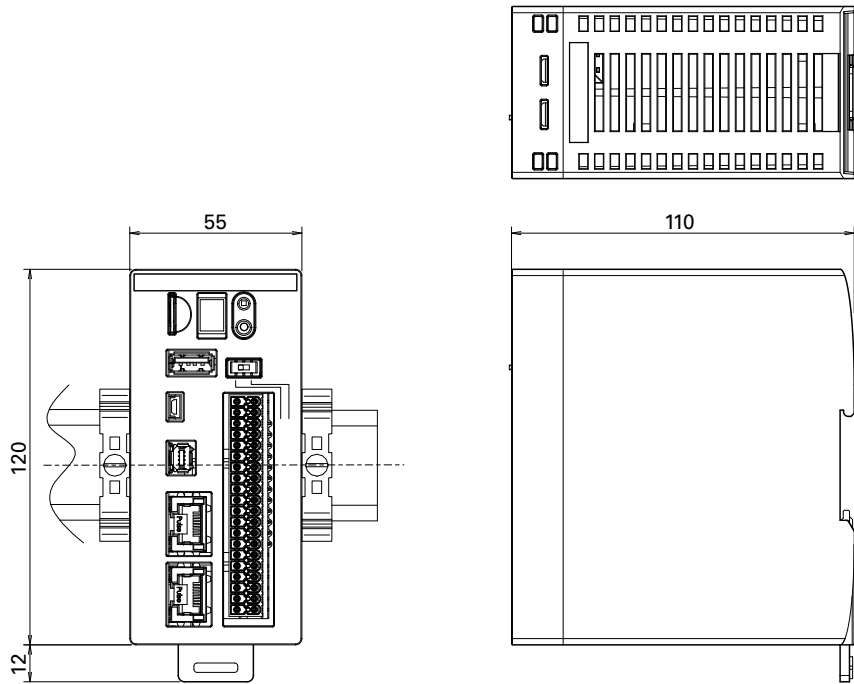


## Specifications

The lineup is available in two types: a highly functional SMC200-A type that can control robots and electronic cams and a SMC200-B type specialized for PTP motion.

Model no.	SMC200-A	SMC200-B
Interface	EtherCAT (100 Mbps), master function (FoE-compatible)	
	Ethernet (10/100/1000 Mbps)	
	Protocols (Modbus TCP, OPC UA, Ethernet/IP)	
	RS-485 (9600 to 115200 bps)	
	1-wire	
	MicroSD (for data storage of up to 32 GB)	
	USB 2.0 (for memory storage)	
Digital I/O	Digital input: 16 points, 24 VDC, positive/negative common input	
	Digital output: 8 points, 24 VDC, 0.5 A, sink output	
	Analog output: 2 points, 4 to 20 mA, current output	
Input voltage	24 VDC (19.2 to 30 VDC), 0.9 A	
Power consumption	19.2 W	
Cooling method	Natural air cooling	
Dimensions	120 mm (H) × 55 mm (W) × 110 mm (D)	
Mass	300 g	
Max. no. of controllable axes	8	
Control functions	Sequence control	Sequence control
	Motion control (Electronic cam, electronic gear, linear interpolation, circular interpolation) Robot control: NC function (Cartesian coordinate, SCARA, and parallel link robots)	Motion control (PTP control)
Control language	Programming languages conforming to international standard (IEC 61131-3) G-code (SMC200-A only)	

## Dimensions [Unit: mm]



EtherCAT® is a registered trademark and patented technology, licensed by Beckhoff Automation GmbH, Germany.

**SANYO DENKI CO., LTD.** 3-33-1 Minami-Otsuka, Toshima-ku, Tokyo 170-8451, Japan TEL: +81 3 5927 1020

<https://www.sanyodenki.com/>

The names of companies and/or their products specified in this document are the trade names, and/or trademarks and/or registered trademarks of such respective companies.

San Ace, SANUPS, and SANMOTION are registered trademarks of SANYO DENKI CO., LTD.

Specifications are subject to change without notice.

CATALOG NO. S1065B001 '23.7