

NEW PRODUCTS

SANMOTION C

MOTION CONTROLLER

Ultra-compact, flexible, and IoT-enabled

Model **SMC100**

A type For robots and electronic cams

B type For PTP (Point-to-Point) positioning

Applications: Robots, conveying machines, and semiconductor manufacturing equipment

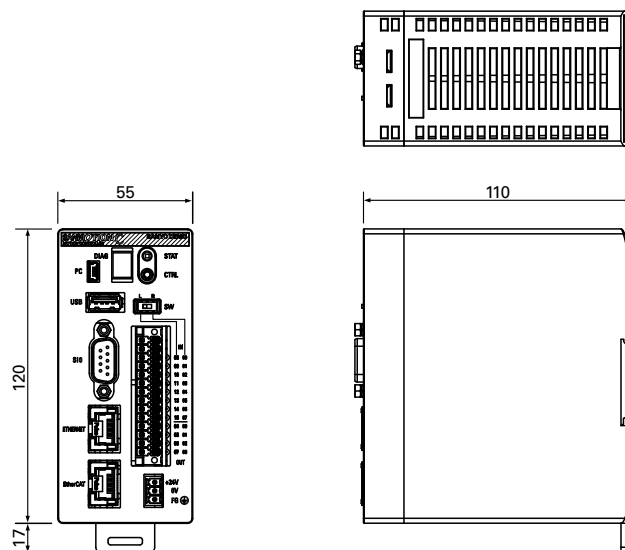


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Specifications

| Model | SMC100-A | SMC100-B | Connector |
|-------------------------------|---|---|--------------------|
| Interface | EtherCAT (1000 Mbps) master function | | RJ45 |
| | Ethernet (10/100/1000 Mbps) protocols (ModbusTCP, OPC-UA) | | RJ45 |
| | RS-485 (9600 to 115200 kbps) | | D-sub 9-pin female |
| | 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, sinking output | | |
| Input power | 24 VDC (19.2 to 30 VDC), 0.8 A | | |
| Power consumption | 19.2 W | | |
| Cooling method | Passive | | |
| Dimensions | 120 mm (H) × 55 mm (W) × 110 mm (D) | | |
| Mass | 300 g | | |
| Operating temperature | 0 to 55°C | | |
| Max. no. of controllable axes | 8 | | |
| Control functions | Sequence control Motion control (Electronic cam, electronic gear, linear interpolation, circular interpolation) Robot control (Cartesian coordinate, SCARA, and parallel link robots) | Sequence control Motion control (PTP control) | |
| | Programming language conforming to international standard (IEC 61131-3) G-code (for the SMC100-A) | | |

Dimensions (Unit: mm)



Precautions For Adoption

Cautions

Failure to follow the precautions on the right may cause moderate injury and property damage, or in some circumstances, could lead to a serious accident. Always follow all listed precautions.

Cautions

- Read the accompanying Instruction Manual carefully prior to using the product.
- If applying to medical devices and other equipment affecting people's lives, please contact us beforehand and take appropriate safety measures.
- If applying to equipment that can have significant effects on society and the general public, please contact us beforehand.
- Do not use this product in an environment where vibration is present, such as in a moving vehicle or shipping vessel.
- Do not perform any retrofitting, re-engineering, or modification to this equipment.
- The products presented in this catalog are meant to be used for general industrial applications. If using for special applications related to aviation and space, nuclear power, electric power, submarine repeaters, etc., please contact us beforehand.

*For any question or inquiry regarding the above, contact our Sales Department.

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