AUTOMATION & MOTION CONTROL DIVISION · SURETON GROUP

ICC-B Series Medium Modular PLC

Model series: ICC-B010ERM · 020ERM · 030ERM

The medium platform: motion built in, battery-free.

The ICC-B brings the ICC architecture down to medium machines: motion control integrated on standard industrial Ethernet, up to 16 axes, and an embedded energy-storage module instead of a back-up battery. It is the controller for a stand-alone machine or a compact line that wants the same engineering environment, firmware baseline and diagnostics as the large ICC series — without paying for capacity the machine will never use.



KEY FEATURES

- Up to 16 synchronised axes over standard industrial Ethernet
- Embedded energy-storage module — no back-up battery required
- Up to 3 MB of user program memory
- Two 100 Mbps Ethernet ports
- Same ICS Studio project environment as the ICC-E and ICC-P controllers
- Controller status and fault display for fast on-site diagnosis

TYPICAL APPLICATIONS

Stand-alone machines · Compact production cells · Packaging machinery · General factory automation

TECHNICAL DATA

Models	ICC-B010ERM · 020ERM · 030ERM
User program memory	1 MB / 2 MB / 3 MB by model
Integrated motion control	4 / 8 / 16 axes by model
Communication ports	2 × 100 Mbps Ethernet
Battery	Not required (embedded energy-storage module)
Dimensions (W × D × H)	58.5 × 75 × 100 mm
Operating temperature	–20 °C … +50 °C
Relative humidity	5 % … 95 % RH, non-condensing
Engineering software	ICS Studio

Sizing support included. Send us your cycle diagram, load table or CAD files and we will return an axis-by-axis selection proposal, bill of materials and commissioning plan — every enquiry is answered by an engineer within one business day.

COMPLIANCE AND DOCUMENTATION SUPPLIED

CE — EMC directive | CE — Low Voltage directive | UL listed assemblies | RoHS declaration | Declaration of conformity | 2D / 3D drawings | EPLAN macro | User manual | Firmware & parameter set

> The full compliance pack and language-specific manuals are issued with the shipment and can be supplied before your design freeze on request. Documentation is provided for the exporting entity, **Sureton Automation**.

Sureton Automation

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Sureton Automation, a division of Sureton Group. Technology and manufacturing partner: ICON Industrial (Beijing R&D, Jiaxing manufacturing, China). Sister division: Sureton Precision Manufacturing (https://sureton.cn). Technical data is indicative and continuously refined — please confirm the current revision before design freeze.