AUTOMATION & MOTION CONTROL DIVISION · SURETON GROUP

ICC-E Series Large Modular PLC

Model series: ICC-E050ERM · 080ERM · 0100ERM · 0200ERM

Eight cores, 256 axes, one controller.

The ICC-E is a new-generation large programmable logic controller built for the most demanding applications. It runs motion control and process control strategies side by side on a multi-tasking engine, while rich industrial Ethernet connectivity closes the gap between factory OT and IT. With the ICS Studio engineering platform it delivers the performance, versatility and scalability that modern automation lines need — from a single high-axis machine to a continuous production line.



KEY FEATURES

- 8-core 64-bit processor with multi-tasking control engine
- Up to 256 synchronised position axes (up to 250 Ethernet nodes)
- Axis refresh rate of 64 axes per millisecond
- Three independent Gigabit Ethernet ports
- Embedded energy-storage module — no back-up battery required
- 32 local I/O points on board
- Operating temperature –40 °C to +70 °C, 5–90 % RH non-condensing
- Programmed and commissioned with ICS Studio

TYPICAL APPLICATIONS

High-axis machine tools · Continuous production lines · Lithium battery and solar lines · Tire and rubber machinery

TECHNICAL DATA

Processor	8-core 64-bit
Program memory	5 MB / 8 MB / 10 MB / 20 MB by model
Max. Ethernet nodes	120 / 150 / 180 / 250 by model
Max. position axes	32 / 64 / 128 / 256 by model
Axis refresh rate	64 axes/ms
Ethernet ports	3 × independent Gigabit Ethernet
Local I/O	32 points
Operating temperature	–40 °C … +70 °C
Relative humidity	5 % … 90 % RH, non-condensing
Engineering software	ICS Studio
Battery	Not required (embedded energy-storage module)

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.