AUTOMATION & MOTION CONTROL DIVISION · SURETON GROUP

ICC-P Series Large Modular PLC

Model series: ICC-P020ERM · 030ERM · 050ERM · 080ERM · 0100ERM

128 axes over a redundant Ethernet ring.

The ICC-P is the large-architecture member of the ICC controller family: standard industrial Ethernet with motion control integrated into the platform, built for machines that cannot afford an unplanned stop. Two independent Gigabit Ethernet ports allow a device-level redundant ring, so a broken cable re-routes instead of halting the line, and an embedded energy-storage module takes the back-up battery off the maintenance schedule. It is programmed and commissioned in ICS Studio, alongside every other controller in the range.



KEY FEATURES

- Up to 128 synchronised axes over standard industrial Ethernet
- Device-level redundant ring topology across two independent Ethernet ports
- Embedded energy-storage module — no back-up battery required
- Enhanced diagnostics and fault handling, with controller status and fault display
- Open socket support for Modbus TCP, printers, barcode readers and servers
- User program memory from 2 MB to 10 MB depending on model
- Programmed and commissioned with ICS Studio

TYPICAL APPLICATIONS

Large machine tools · Continuous production lines · Tire and rubber machinery · Printing and packaging lines

TECHNICAL DATA

Models	ICC-P020ERM · 030ERM · 050ERM · 080ERM · 0100ERM
User program memory	2 MB / 3 MB / 5 MB / 8 MB / 10 MB by model
Integrated motion control	8 / 16 / 32 / 64 / 128 axes by model
Communication ports	2 × independent Gigabit Ethernet
Network redundancy	Device-level redundant ring
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.