AUTOMATION & MOTION CONTROL DIVISION · SURETON GROUP

ICD-B Series I/O Modules

Model series: ICD-B · Ethernet adapter + 12 mm I/O slices

12 mm slices that cut cabinet wiring.

The ICD-B is the cabinet-side I/O system for machines that do have a control cabinet: a 12 mm-wide slice design that packs more channels into the same DIN rail, single-row push-in wiring with removable terminal blocks, and hot-swap modules that can be changed without stripping the rail. The Ethernet adapter talks to the controller over standard industrial Ethernet and supports both linear and redundant ring topologies, so the same I/O family scales from a compact cell to a long machine.



KEY FEATURES

- Ultra-slim 12 mm module width — higher channel density per DIN rail
- Single-row push-in connection with removable terminal blocks
- Hot-swap modules for maintenance without rewiring the rail
- Ethernet adapter module communicates over standard industrial Ethernet
- Linear and redundant ring network topologies
- Common ICS Studio engineering and diagnostics workflow

TECHNICAL DATA

Module width	**12 mm per slice**
Wiring	**Single-row push-in, removable terminal blocks**
Hot swap	**Supported**
Fieldbus	**Standard industrial Ethernet (adapter module)**
Topology	**Linear and redundant ring**
Mounting	**DIN rail, cabinet side**
Engineering software	**ICS Studio**

TYPICAL APPLICATIONS

- Control cabinets with limited rail space
- Machine and line I/O expansion
- Retrofit and extension of existing panels

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

No.128, Jianzhong Section, Quanya Line, Quantang Town, Pinghu City, Zhejiang Province, China

Building 4, No. 18, Zhujiacun Road, Puzhuang, Linhu Town, Wuzhong District, Suzhou City, Jiangsu Province, China

Contact

service@sureton.cn
+86 (573) 8580 1258
WhatsApp +86 179 0173 1609
Mon–Fri 8:00–17:00 (GMT+8) · Sat–Sun 12:00–18:00 · GMT+8

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.