AUTOMATION & MOTION CONTROL DIVISION · SURETON GROUP

ICN-MS06TP Industrial Ethernet Switch

Model series: ICN-MS06TP

Hardware PTP, ±100 ns.

An industrial Ethernet switch engineered for electrically noisy, physically demanding environments. Hardware-based IEEE 1588 PTP v2 time synchronisation reaches ±100 ns accuracy, which is what makes tightly synchronised motion and measurement systems possible. Wide-voltage input with dual redundant supplies and triple protection keeps the network alive.



KEY FEATURES

- 5 × 100 Mbps + 1 × 1000 Mbps adaptive copper ports
- Hardware-based IEEE 1588 PTP v2 time sync, accuracy up to ±100 ns
- Web management, port configuration and traffic statistics
- QoS, IGMP, LLDP, port-mirroring and VLAN support
- Industrial-grade EMC design for power and factory environments
- IP30 metal housing with high thermal conductivity for efficient cooling
- 9.6–60 VDC wide input, dual redundant supplies, triple power protection
- Compact 128 × 90 × 30 mm body, DIN-rail or wall mounting

TYPICAL APPLICATIONS

- Deterministic motion networks
- Distributed machine networks
- Power and utility environments

TECHNICAL DATA

Ports	**5 × 100 Mbps + 1 × 1000 Mbps, adaptive**
Time synchronisation	**IEEE 1588 PTP v2, hardware, ±100 ns**
Management	**Web management, port config, statistics**
Features	**QoS, IGMP, LLDP, port mirroring, VLAN**
Housing	**Metal, IP30, high thermal conductivity**
Dimensions	**128 × 90 × 30 mm**
Power input	**9.6 – 60 VDC, dual redundant, triple protection**
Mounting	**DIN rail or wall mount**

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.