INSYS icom

Industrial Data Communication

Switches
ETSM-E100, ETSU-E100

Lite Managed/Unmanaged Switch

Switches are an important element of connected IT in-frastructures. The switches of INSYS icom stand out due to their robustness, a compact design and a good price/performance ratio. This makes them a perfect comple-ment to the professional routers.

The unmanaged switch ETSU-E100 is suitable for all ba-sic switching applications.

The lite managed switch ETSM-E100 closes the gap between unmanaged and full managed devices and im-presses with its ease of use. No special IT know-ledge is necessary for installation and configuration via web interface. Nevertheless, features like port prioritisation and deactivation or a network segmentation via VLANs are integrated. Moreover, the status of the lite managed switch itself and the individual interfaces can be read out and transmitted via SNMP and Modbus TCP.

Features

- Outstanding price/performance ratio.
- User-friendly web interface for quick commissioning
- No special IT knowledge necessary
- Extended temperature range -40°C to +70°C
- Compact DIN rail housing for installation in confined spaces

ETSM-E100 plus:

- Isolated digital input
- Increased security due to fault indication contact
- Configuration of VLANs
- Link Aggregation, Quality of Service
- Monitoring of device status and interfaces via SNMP and Modbus TCP

Technical Data
ETSM-E100, ETSU-E100

Switch	ETSM-E100 Lite Managed	ETSU-E100 Unmanaged
Ports	6x RJ45, 10/100 Mbit/s, Ethernet, Fast-Ethernet, 10/100Base-TX, Twisted Pair (TP)	
Cable	0 ... 100m, UTP/STP	
Function	Auto-Negotiation, Auto-Crossing, Auto-Polarity	
Switching Architecture	store and forward	
Network structure	Line/Star, cascade-depth: any	
Operation		
User Interface	Web-Interface	
Functions	Link aggregation/port trunking, 16x port based VLANs, QoS (Quality of Service), fast aging, broadcast storm protection	
Security	System logging, configurable password, user management, port disabling	
Management	HTTP, Traps	
Diagnostics	Cycling system and port monitoring, display of port status and configuration via user interface, port mirroring, readout of device and interface properties by SNMP and Modbus TCP	
Configuration Ports	USB2.0 (Type A), 12Mbit/s, Modes: host, device	
Configuration	Firmware update, configuration via Notebook/PC or auto-configuration via USB, configuration file in readable format, web based configuration	
Connector	8pole header (male)	
Status Indications	Supply (PWR), Device Status (MOD), Error/Fault (ERR), Digital Input (DI)	Supply Inputs (V1, V2)
Indications (Ethernet Ports)	1x link/activity LED, 1x speed LED per port	
I/Os, Supply		
Fault Contact	Isolated, programmable, max. 2A/60VA	
Digital Input	Low: 0 … 5V; High: 11V … 30V; Isolation from all other circuits 1kV	
Supply Ports	Redundant power supply, no priority, dual input, reverse polarity protection	
Operation Voltage	DC: 9.6V...60V; AC: 18V...30V	
Power Consumption	3.0W	
Environmental Conditions		
Dimensions (W x D x H)	65 x 40 x 105 mm	
Operating Temperature	-40°C ... +70°C	
Storage Temperature	-40°C ... +85°C	
Humidity	10% ... 90%, noncondensing	
Mounting / Protection Class	Din Rail Mounting / IP20 (IP40 with all connectors)	
Approvals & Standards		
Certifications	CE	

Product description	Features	Order number
ETSU-E100	Unmanaged Switch	10019751
ETSM-E100	Lite Managed Switch	10019752