Product Overview

5 / 8 Port Gigabit Ethernet Industrial Switches Entry Line

MICROSENS

Description

The new Gigabit Ethernet industrial switch offers the full Gigabit performance on all ports. This offers, beside the central uplink, also the high speed connection of Gigabit end devices.

The new industrial switch belongs to the "Entry Line" family and has depending on the version up to eight RJ-45 ports and two SFP slots, which can be used alternatively to two RJ-45 ports (dual media). For the SFP slots MICROSENS offers a wide range of transceivers, which allow a flexible and cost effective fiber connection for multimode and single mode networks.

The devices of the MICROSENS "Entry Line" enable a simple network setup in a Plug&Play manner. Therefore many end users decide to change from field bus based automation to modern Ethernet based technology. Furthermore this migration gives significant cost savings for investment and operation of the network.

In principle Gigabit Ethernet is ideal to provide the required bandwidth and to transmit real time data for automation in shortest time. Reason beside the high bandwidth is that the latency time for forwarding the data packets is much lower.

Properties

- Gigabit Performance for Industrial Ethernet
- Easy handling (Plug&Play)
- Connection of redundant power supply possible
- Cost effective and compact design
- Optional with SFP-Slots for fiber uplinks
- Monitoring with potential free contact

Specifications

General

Type	Gigabit Ethernet Switch, IEEE 802.3 compliant
Performance	Store-and-forward Switching Architecture
MAC-Adresses	8K MAC address table
Jumbo Frames	9Kbytes
Management	unmanaged

Uplink (Pluggable Transceiver)

Number of Ports	1 (MS655201) 2 (MS655210)
Type	Gigabit Ethernet 1000Base-X
Connector	SFP slot
Flow Control	IEEE802.3x Flow Control and Back Pressure

Power Supply (DC)

Input Voltage	DC 12..48V redundant
Power Consumption	4,6 W
Connector	Screw terminal, 2 pin, V+/V-

Mechanical

Dimensions	30 mm x 95 mm x 140 mm (w x d x h)
Housing Color	dark grey
Mounting	DIN rail, wall

Local Ports (Twisted-Pair)

Number of Ports	4 (MS655201) 5 (MS655200) 8 (MS655208, MS655210)
Type	Gigabit Ethernet, triple speed 10/100/1000Base-T
Connector	RJ-45 jack, shielded
Cable Type	Twisted-Pair cable, category 5e, impedance 100 Ohm, length max. 100 m
Flow Control	IEEE802.3x Flow Control and Back Pressure

Display

Type	13 LEDs, color coded
Power	Green on/off
Link	Local ports: blinking: activity green (upper LED): connected to network with 100 Mbps green (lower LED): connected to network with 1000 Mbps"

Environment

Operating Temperature	-10..60 °C -40..75°C (X-models only)
Storage Temperature	-40 to 85 °C
Relative Humidity	5 to 95%, non condensing

Standards Compliance

CE Mark	CE EN61000-4-2 (ESD) CE EN61000-4-3 (RS) CE EN-61000-4-4 (EFT) CE EN61000-4-5 (Surge) CE EN61000-4-6 (CS) CE EN61000-4-8 CE EN61000-4-11 CE EN61000-4-12 CE EN61000-6-2 CE EN61000-6-4
Safety	CE/EN60950-1

IEEE (Ethernet)	IEEE 802.3 10Base-T
	IEEE 802.3u 100Base-TX
	IEEE 802.3ab 1000Base-T
	IEEE802.3x Flow Control and Back Pressure
Other	IEC60068-2-32 (Free fall)
	IEC60068-2-27 (Shock)
	IEC60068-2-6 (Vibration)

Order Information

Description	Article Number
Industrial Gigabit Ethernet Switch, 4x 10/100/1000T, 1x 10/100/1000Base-T or 1000X SFP Combo port, 1x 1000X SFP Slot	**MS657203X**
Industrial Gigabit Ethernet Switch, 8x 10/100/1000Base-T	**MS657208X**
8 Port Industrial Gigabit Ethernet Switch, Entry Line, 6x 10/100/1000Base-T, 2x 10/100/1000Base-T or 2x SFP-Slots 1000Base-X Alternative Article Number: MS657203X	**MS655210** **End of Life**
5 Port Industrial Gigabit Ethernet Switch, 5x 10/100/1000Base-T	**MS655200X** **End of Life**
5 Port Industrial Gigabit Ethernet Switch, 4x 10/100/1000Base-T, 1x SFP-Slot 1000Base-X Alternative Article Number: MS657203X	**MS655201X** **End of Life**
Industrial Gigabit Ethernet Switch, Entry Line, 8x 10/100/1000Base-T Alternative Article Number: MS657208X	**MS655208X** **End of Life**

Accessories

Description	Article Number
Hat-rail power supply 24 Watt 24 V / 1,0 A,wide range input 85-264 VAC, 85..375 VDC	**MS700420**
Hat-rail power supply 60 Watt 24 V / 2,5 A,wide range input 85-264 VAC, 85..375 VDC	**MS700421**
Hat-rail power supply 120 Watt 24 V / 5,0 A, wide range input 85-264 VAC, 85..375 VDC	**MS700422**
End clamp for DIN rail 35mm, 2 screws, width: 10 mm, color: aluminium	**MS140806**