

Data Sheet

Gigabit Ethernet Desktop Switch

Overview

MICROSENS offers a new unmanaged Gigabit Ethernet Desktop Switch with 8 RJ-45 PoE+ ports, one additional RJ45 port without PoE and one SFP port. Via a toggle switch at the rear side port isolation can be enabled.

PROPERTIES

- 8x 10/100/1000Base-T RJ-45 ports with PoE+ (1x HPoE)
- 1x 1000Base-X SFP slot
- 1x 10/100/1000Base-T RJ-45 port
- Unmanaged
- Toggle switch for port isolation mode (e. g. for CCTV applications)
- Fanless design
- External power supply
- For desktop applications

Technical Specifications

Switch

Type	Gigabit Ethernet Desktop Switch, PoE+ PSE IEEE 802.3 compliant
Performance	Store-and-forward
Switching Capacity	20 Gbps
Packet Forwarding Rate	14 Mpps
Packet Buffer	1 Mbit
MAC addresses	4 k, automatic learning and aging

Twisted-Pair Ports

Number	9 (8 ports support PoE)
Type	Gigabit Ethernet, Triple Speed 10/100/1000Base-T
Connector	RJ-45 port, shielded
Cable type	Twisted-Pair cable, Category 5e, impedance 100 Ohm, length max. 100 m
Flow Control	Pause Frames (IEEE 802.3x)
Pin out	Auto MDI/MDI-X, Auto Polarity
Power-over-Ethernet	Power Sourcing Equipment (PSE) IEEE 802.3af/at Class 0-4, max. 15 W / 30 W
PoE Budget	120 W
PoE Lines	1/2 (+), 3/6 (-)

Fiber Port (SFP slot)

Number	1
Type	Gigabit Ethernet SFP slot, 1000Base-X support of SFP digital diagnostics function
Connector	LC (SFP transceiver)
Flow Control	Pause Frames (IEEE 802.3x)

LED displays

Port LEDs	Link/activity, PoE status
Device LED	Power

Power Supply

External Power Adapter	AC/DC adapter with 54 VDC output (included in the delivery)
Power Consumption	5 W (without PoE)

Environmental Conditions

Temperature	Operation	-10..+45 °C
	Storage	-40..+85 °C
Humidity	5..95%, non-condensing	

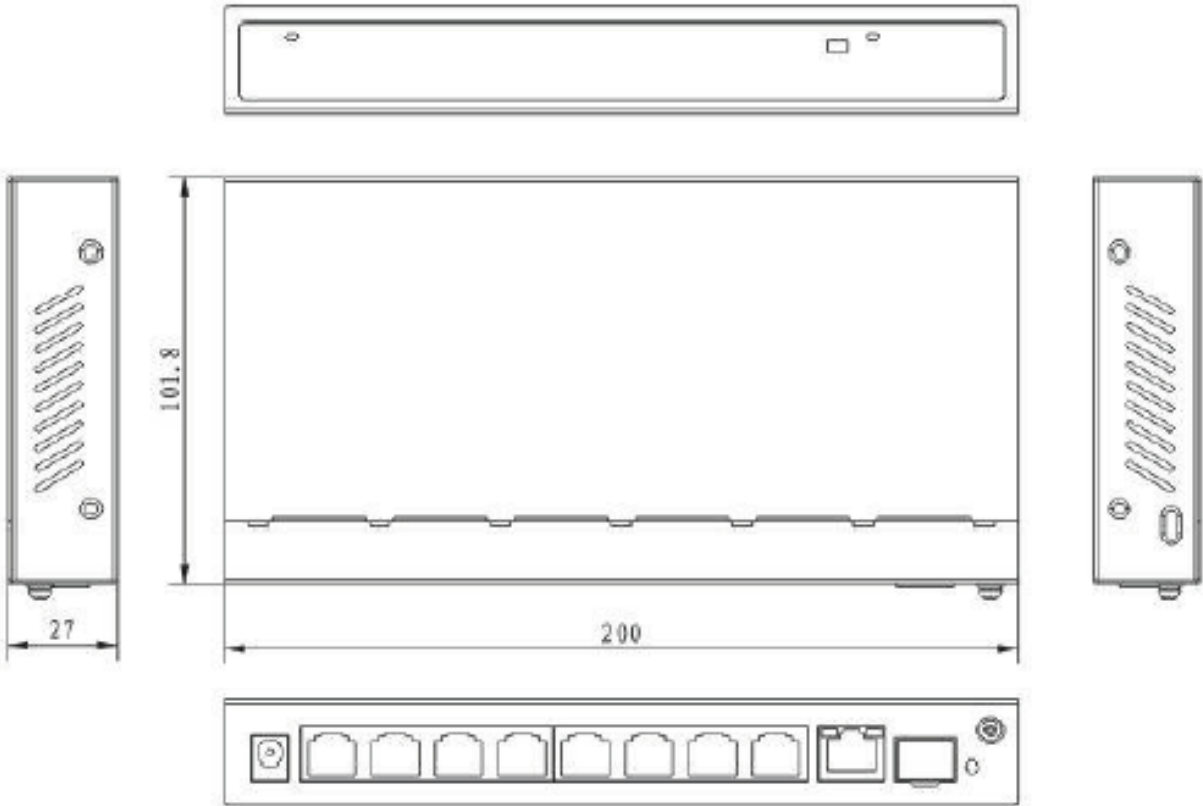
Mechanic

Dimensions (in mm)	200 x 102 x 27 (L x W x H)
Weight	Approx. 500 g

Standards

CE	2014/30/EU (EMC) 2014/35/EU (Low voltage) 2011/65/EU (RoHS)
Safety	EN 60950-1
Emitted interference	EN 55032:2015
Immunity	EN 55024
Surge Immunity	6 kV (IEC61000-4-5)
ESD Immunity	8 kV contact discharge, 15 kV air discharge (IEC 61000-4-2)
Ethernet	IEEE 802.3 IEEE 802.3af/at (PoE/PoE+) IEEE 802.3u (100Base-TX) IEEE802.3ab (1000Base-T) IEEE 802.3z (1000Base-X) IEEE 802.3x (flow control)

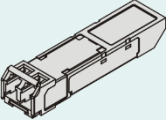
Dimensions



Order Information

	Description	Article No.:
	Gigabit Ethernet Desktop Switch	
	Gigabit Ethernet Desktop Switch, 1x 1000Base-X SFP slots, 8x 10/100/1000Base-T PoE+ PSE, 1x 10/100/1000Base-T, -10..45° C, ext. power supply	MS453535P

Accessories

	Description	Article No.:
	SFP Transceiver (xWDM on request)	
	SFP Transceiver, Gigabit Ethernet, Digital Diagnostic 850 nm Multimode, 1000Base-SX, LC duplex	MS100200DX
	SFP Transceiver, Gigabit Ethernet, Digital Diagnostic 1310 nm Single mode, 1000Base-LX, LC duplex	MS100210DX
	Industrial Power Supplies	
	DIN-Rail Power Supply 120 Watt 48 V / 2.5 A, Wide Range Input 127-264 VAC	MS700446
	DIN-Rail Power Supply 240 Watt 48 V / 5 A, Wide Range Input 127-264 VAC	MS700447

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