

Data Sheet

Gigabit Ethernet Desktop Switch



Overview

MICROSENS offers a new unmanaged Gigabit Ethernet Desktop Switch with eight 10/10/1000Base-T RJ-45 ports and two 100/1000Base-X SFP uplink ports. The device can be configured per DIP switch. A port isolation mode is available which prevents data transmission between different RJ-45 ports. Furthermore the device speed can be configured (Gigabit Ethernet or Fast Ethernet).

PROPERTIES

- 8x 10/100/1000Base-T RJ-45 ports
- 2x 100/1000Base-X SFP slots
- Unmanaged
- Configurable per DIP switch (Device speed, port isolation and extended transmission distance of the RJ-45 ports)
- Fanless design
- External power supply
- For desktop applications

Technical Specifications

Switch

Type	Gigabit Ethernet Desktop Switch, IEEE 802.3 compliant
Performance	Store-and-forward
Switching Capacity	20 Gbps
Packet Forwarding Rate	14.88 Mpps
Delay Time	< 7 μ s
Packet Buffer	2 Mbit
MAC addresses	4 k, automatic learning and aging
Jumbo Frames	9216 bytes

Twisted-Pair Ports

Number	8
Type	Gigabit Ethernet, Triple Speed 10/100/1000Base-T
Connector	RJ-45 port, shielded
Cable type	Twisted-Pair cable, category 5, impedance 100 Ohm, length max. 100 m
Flow Control	Pause Frames (IEEE 802.3x)
Pin out	Auto MDI/MDI-X

Fiber Ports (SFP slots)

Number	2
Type	Gigabit Ethernet SFP slot, 100/1000Base-X
Connector	LC (SFP transceiver)
Flow Control	Pause Frames (IEEE 802.3x)

LED Displays

Port LEDs	Link/activity
Device LED	Power

Power Supply

External Power Adapter	AC/DC adapter with 100-240 VAC input and 12 VDC output (included in the delivery)
Power Consumption	5 W

Environmental Conditions

Temperature	Operation	0..+50 °C
	Storage	-10..+70 °C
Humidity	5..90%, non-condensing	

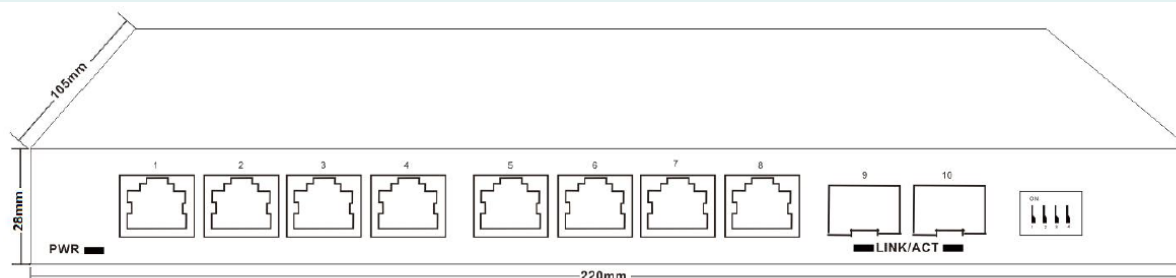
Mechanic

Dimensions (in mm)	220 x 105 x 28 (L x W x H)
Weight	Approx. 620 g

Standards

CE	2014/30/EU (EMC) 2014/35/EU (Low voltage) 2011/65/EU (RoHS)
Safety	EN 62368-1:2014+A11:2017
Emitted interference	EN 55032:2015 EN 61000-3-2:2014 EN 61000-3-3:2013
Immunity	EN 55035:2017
Surge Immunity	4 kV (IEC61000-4-5)
Ethernet	IEEE 802.3 IEEE 802.3u (100Base-TX) IEEE802.3ab (1000Base-T) IEEE 802.3z (1000Base-X) IEEE 802.3x (flow control) IEEE 802.3az (EEE)

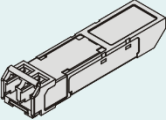
Dimensions



Order Information

	Description	Article No.:
	Gigabit Ethernet Desktop Switch	
	Gigabit Ethernet Desktop Switch, 2x 100/1000Base-X SFP slots, 8x 10/100/1000Base-T RJ-45 ports, 0..50° C, ext. power supply	MS453532

Accessories

	Description	Article No.:
	SFP Transceiver (xWDM on request)	
	SFP Transceiver, Fast Ethernet, 1310 nm Multimode, 100Base-FX, LC duplex	MS100190D
	SFP Transceiver, Gigabit Ethernet, 850 nm Multimode, 1000Base-SX, LC duplex	MS100200
	SFP Transceiver, Gigabit Ethernet, 1310 nm Single mode, 1000Base-LX, LC duplex	MS100210

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