

## Product Overview

### Gigabit Ethernet 5 Port Office Switch



## Description

This Gigabit Ethernet switch has an excellent price/performance ratio. The device has four RJ-45 ports with 10/100/1000Base-T and one SFP slot according to 1000Base-X. All ports are supporting the full Gigabit performance and are configured automatically.

The uplink port is designed as a SFP slot for the connection to the central switch. With the large range of SFPs it is possible to realise this uplink with copper and fiber. For the fiber interface there are several SFPs for multimode and single mode fiber available.

## Properties

- Cost effective, compact, fan less Gigabit Ethernet switch
- 4x 10/100/1000Base-T Autonegotiation, 1x SFP Uplink-Slot
- Layer 2 non blocking, 8k MAC addresses, 112KB memory buffer
- external power supply (included)

# Specifications

## General

<b>Type</b>	Gigabit Ethernet Switch IEEE 802.3 compliant
<b>Performance</b>	Store-and-forward, non-blocking on all ports
<b>MAC-Addresses</b>	8,192 addresses, automatic learning
<b>Jumbo Frames</b>	8k Jumbo frames
<b>VLANs</b>	only MS453510M: Supports 802.1Q Tag VLAN, VLAN ID and group up to 5
<b>Quality of Service</b>	only MS453510M: Supports port based, Tag based and IPv4 ToS. Per port up to 4 priority queues
<b>Management</b>	Web management (only MS453510M)

## Uplink (Pluggable Transceiver)

<b>Number of Ports</b>	1
<b>Type</b>	1000Base-X
<b>Connector</b>	SFP slot
<b>Flow Control</b>	IEEE 802.3x Flow Control and Back-pressure

## Power Supply (DC)

<b>Input Voltage</b>	12 VDC/0,8A
<b>Power Consumption</b>	max. 6.2 W

## Mechanical

<b>Dimensions</b>	165 x 100 x 32.5 mm (l x w x d, without connectors)
<b>Housing Color</b>	black

## Local Ports (Twisted-Pair)

<b>Number of Ports</b>	4
<b>Type</b>	Gigabit Ethernet, triple speed 10/100/1000Base-T
<b>Connector</b>	RJ-45 jack, shielded
<b>Cable Type</b>	Twisted-Pair cable, category 5e, impedance 100 Ohm, length max. 100 m
<b>Flow Control</b>	Pause frames (IEEE 802.3x)
<b>Pinout</b>	Auto MDI/MDI-X, auto polarity

## Display

<b>Type</b>	11 LEDs, color coded
<b>Power</b>	green: Power on
<b>Link</b>	Local ports 1 to 4: green blinking: activity green: connected off: not connected
<b>Status</b>	100/1000: green: operating at 1000Mbps yellow: operating at 100Mbps off: operating at 10Mbps or not connected FDX/COL: yellow: Full duplex yellow blinking: Collisions on port off: Half-duplex mode or no device attached LNK /ACT (MINI GBIC): green: connected green blinking: activity off: No data transmitting or no device connected

## Environment

<b>Operating Temperature</b>	0 to 45 °C
<b>Storage Temperature</b>	-20 to 70 °C
<b>Relative Humidity</b>	10 to 90%, non condensing

## Standards Compliance

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CE Mark	CE label
<b>IEEE (Ethernet)</b>	IEEE 802.3 10BASE-T Ethernet IEEE 802.3u 100BASE-TX Fast Ethernet IEEE 802.3ab 1000Base-T IEEE 802.3z Gigabit Fiber IEEE 802.3x Flow Control and Back-pressure only MS453510: IEEE802.1w rapid Spanning Tree IEEE 802.1d Spanning Tree IEEE802.3ad port trunk with link aggregation control protocol (LACP) IEEE802.1X Authentication/RADIUS

## Order Information

### Description

### Article Number

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5 Port Gigabit Ethernet Desktop Switch 4x 10/100/1000Base-T, 1x SFP Slot external power supply

**MS453510-V2**

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