Gigabit Ethernet Switch
8x 10/100/1000Base-T, 2x SFP-Dual Media

MICROSENS
fiber optic solutions

Description

MICROSENS developed this 8 Port Gigabit Ethernet Switch for today's higher bandwidth demand in office environments. The two modular transceiver ports (SFPs) of the switch are offering a very high flexibility for Fiber To The Office (FTTO) and Fiber To The Home (FTTH) applications.

The manageable Layer 2 Switch is equipped with 8 twisted-pair ports which are adjusting automatically (10/100/1000Base-T auto negotiation) to the speed of the connected end device. Two ports can be configured as uplink ports and are designed as SFP slots and are used for the connection to the central distribution.

A wide range of multimode and single mode SFPs is available.

The Gigabit Switch is compatible with the SNMP, Telnet and web based management interfaces and supports standards like QoS, VLAN, Access Control etc.
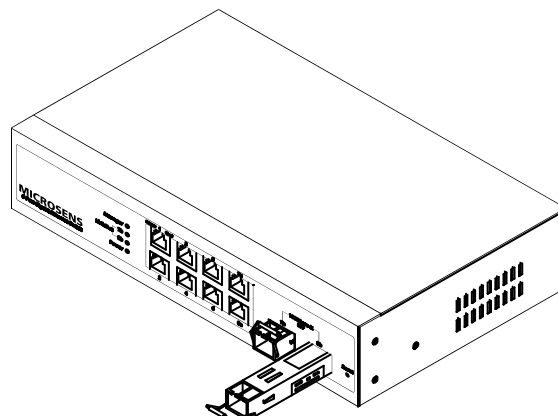
Features

Manageable Gigabit Ethernet Switch for the connection of up to 8 end devices with twisted pair ports to multimode or single mode fiber segments (1000Base-X) via SFP modules according to IEEE802.3ab.

- Compact fan less Gigabit Ethernet switch 10/100/1000 Mbps with integrated network management

- Layer 2 store-and-forward switch, wired-speed, non-blocking

- Jumbo frame support; max. packet size 9728 Bytes

- Data throughput limiting for the local ports (rate limiting with 1 Mbps granulation)

- Configuration of local ports to autonegotiation or manually setting of speed and duplex mode

- Automatic crossing of the twisted pair ports with MDI/MDIX (Auto Crossover)

- QoS : TCP/UDP Port and TOS Classification/ 802.1q QoS

- Authentication according to IEEE802.1x

- Tag-based VLANs according to IEEE802.1Q; up to 256 VLANs

- Port-based VLANs

- 8 K MAC addresses

- Spanning Tree & Rapid Spanning Tree according to 802.1d & 802.1w

- IGMP snooping

- Port mirroring

- Network management via SNMP, Web-based, Telnet

- Integrated Power Supply

Technical Specifications

Type	Manageable Gigabit Ethernet Switch according to IEEE 802.3ab
Connectors	8 x RJ-45 Switch and 1x RJ-45 Management, shielded 2 x SFP Slots 1 x power plug in
Data rates	Twisted-Pair ports: max. 1 Gbps (10/100/1000Base-T, autonegotiation) SFP-Ports: 1 Gbps (1000Base-X, half-/full-duplex configurable)
Management	Integrated SNMP agent (v.1 and v.2c), web-server and Telnet
Cable type	Shielded Twisted Pair cable, Category 5
Max. Segment length	100 m

LED displays	*Power* green, lit when ready for operation
	CPU green, blinks when CPU is active
	Link Act green, lit for connection o.k./ blinks for traffic
	10/100/1000M *green/amber, lit green for TP link on Gbps speed*
	     Lit amber for TP on 100Mbps speed
	     no light for TP on 10Mbps or no link
	SFP green, lit when SFP connection with remote device

Power Supply	100-240 V AC, 50/60 Hz / max. 20 W
Dimensions	217 x 44 x 132 mm (w x h x d)
Operating temperature	0°C to +40°C
Storage temperature	-20°C to +85°C
Rel. humidity	5% to 90% non condensing

View

8 Port Gigabit Ethernet Switch (MS453522M)

Order Information

Art.-No.	Description	Connectors
MS453522M	8 Port Gigabit Ethernet Switch 8x10/100/1000Base-T, 2x SFP Ports, Management, integrated power supply	8x RJ-45 Switch 2x SFP Slots
MS100200	SFP Gigabit Ethernet Transceiver 850nm multimode, LC connector, max. 1.25 Gbps, VCSEL, max. 550 m	2x LC
MS100210	SFP Gigabit Ethernet Transceiver, 1310nm single mode, LC connector, max. 1.25 Gbps, FP Laser max. 10km	2x LC
MS100211	SFP Gigabit Ethernet Transceiver, 1310nm single mode, LC connector, max. 1.25 Gbps, FP Laser max. 25km	2x LC
MS100212	SFP Gigabit Ethernet Transceiver, 1550nm single mode, LC connector, max. 1.25 Gbps, max. 50 km,	2x LC