Product Overview

6 / 8 Port Gigabit Ethernet Switch with PoE+ optional with 2x SFP Slots
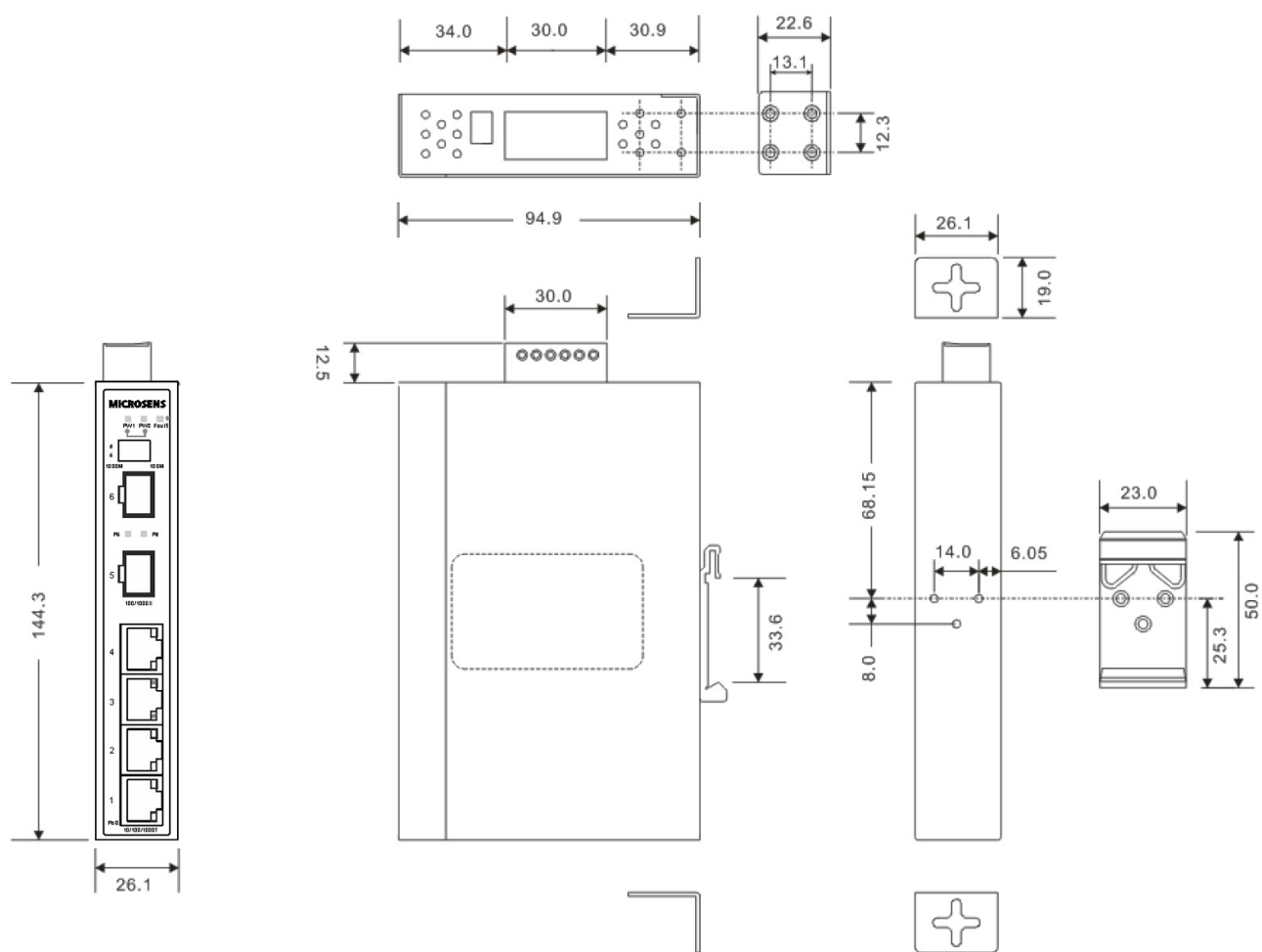
MICROSENS

Description

Unmanaged Industrial PoE Ethernet switch with P.S.E. function. The MS655203PX switch supports Power-over-Ethernet, a solution to transmit electrical power, along with data to end devices over standard twisted-pair cable in an Ethernet network. The switch has 4x10/100/1000Base-T P.S.E. (Power Sourcing Equipment) ports, 1x 10/100/1000Base-T or 1000X SFP Combo port and 1x 1000Base-X SFP port. The optical network speed can be set by changing the settings of the DIP-Switch. The wide operating temperature range from -40 to 75°C can satisfy most of operating environment. Therefore, the switch is one of the most reliable choices for PoE Ethernet application.

The MS655203PX switch can be used in connecting several PoE P.D. Ethernet devices like IP-Camera, Access Points or other Ethernet devices. In addition, there are two different power inputs at terminal block to avoid interruption caused by power down. When the primary DC power input fails, the backup power input will take over immediately to guarantee a non-stop operation.

Properties

- Gigabit Performance for Industrial Ethernet
- 4x 10/100/1000Base-T PoE+ up to 30 Watts per port
  1x 10/100/1000Base-T or 100/1000X SFP Combo port
  1x 100/1000X SFP-Slot for fiber uplinks
- optional 8x 10/100/1000Base-T PoE+ version
- Dual DC-Inputs 48..56 VDC
- Monitoring with potential free relay contact
- Cost effective and compact design
- Ruggedized IP-30 housing design

Dimensions

Unit =mm

Specifications

General

Type	Gigabit Ethernet Switch, IEEE 802.3 compliant
Performance	Store-and-forward Switching Architecture
MAC-Adresses	1K MAC address table
Jumbo Frames	Up to 9kBytes
Management	unmanaged

Local Ports (Twisted-Pair)

Number of Ports	4
Type	Gigabit Ethernet, triple speed 10/100/1000Base-T
Connector	RJ-45
Cable Type	Twisted-Pair cable, category 5e, impedance 100 Ohm, length max. 100 m
Flow Control	IEEE 802.3x for Flow control
Power-over-Ethernet	IEEE 802.3at PoE specification (up to 30 Watts per port for P.S.E.)

Control Panel

DIP Switch	DIP 1: OFF: Port 5 SFP (DEFAULT), ON: Port 5 TX DIP 2: OFF: SFP 1000M (DEFAULT), ON: SFP 100M

Environment

Operating Temperature	-40 to 75° C
Storage Temperature	-40 to 85° C
Relative Humidity	5% to 95% non condensing

Mechanical

Dimensions	43 x 105 x 142 mm (w x d x h)
Housing Color	black
Mounting	DIN rail, wall mounting (kit included)
Protection class	IP30

Uplink (Pluggable Transceiver)

Number of Ports	2
Type	1x Combo Port 10/100/1000T or 100/1000X SFP, 1x 100/1000X SFP
Connector	1x TP, 2x SFP slot

Display

Type	LEDs, color coded
Power	Power: (ok: green / P3 amber)
Link	Per port: (link: static green, activity: flashing green) PoE (PoE injected: amber) Per SFP: (link: static green, activity: flashing green) Relay: (failure: amber)

Power Supply (DC)

Input Voltage	Dual DC inputs 48-56VDC
Power Consumption	typ. 5.8 W (without PoE for end devices)
Connector	6-pin terminal block

Standards Compliance

CE Mark	EN61000-4-2 (ESD) EN61000-4-3 (RS) EN61000-4-4 (EFT) EN61000-4-5 (Surge) EN61000-4-6 (CS) EN61000-4-8 EN61000-4-11
Safety	EN60950-1
Electromagnetic Emission	EN 55022 class A
Electromagnetic Immunity	EN 55024
IEEE (Ethernet)	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX IEEE 802.3ab for 1000Base-T IEEE 802.3z for 1000Base-X IEEE 802.3x for Flow control IEEE 802.3at PoE specification
Other	IEC60068-2-27 (Shock) IEC60068-2-32 (Free Fall) 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, 4x PoE+ up to 30W per port, 48..56VDC redundant input	**MS657203PX**
Industrial Gigabit Ethernet Switch, 8x 10/100/1000T, 8x PoE+ up to 30W per port, 48..56VDC redundant input	**MS657208PX**
Industrial Gigabit Ethernet Switch, 4x 10/100/1000T, 2x 100/1000X SFP Slot, 4x PoE+ up to 30W per port, 50..57VDC redundant input Alternative Article Number: MS657203PX	**MS655202PX** **End of Life**

Accessories

Description	Article Number
SFP Gigabit Ethernet Transceiver 1000Base-SX, Multimode 850nm, digital Diagnostics, exten. temp.-range: -40..85°C	**MS100200DX**
SFP Gigabit Ethernet Transceiver 1000Base-LX, Single Mode 1310nm, digital Diagnostics, -40..85°C	**MS100210DX**
DIN Rail mounting power supply 50W 48VDC/1.05A	**MS700455**
DIN Rail mounting power supply 120W 48VDC/2.5A	**MS700456**
DIN Rail mounting power supply 240W 48VDC/5 A	**MS700457**
End clamp for DIN rail 35mm, 2 screws, width: 10 mm, color: aluminium	**MS140806**