Unmanaged Industrial Ethernet Switches

OM-ESW-100 Series

OM-ESW-104

OM-ESW-105

OM-ESW-108

All models shown actual size.

- ✔ **Unmanaged Switch Requires No Configuration**
- ✔ **Supports 10/100 Mbps Networks**
- ✔ **Auto Half/Full Duplex Negotiation**
- ✔ **Redundant Power Inputs**
- ✔ **Auto-Crossing Detection Supports Standard and Crossover Ethernet Cables**
- ✔ **UL Listed: (C), (US)**

The OM-ESW-100 Series is a range of compact IEEE 802.3 layer two network switches with automatic speed, duplex and cable sensing. The series features ultra-robust construction, capable of withstanding environmental extremes for use in mission critical applications. These affordable, Class I, Division 2 switches feature redundant power inputs, hardened metal enclosures, and 16 kV port protection. Each switch is capable of auto negotiating 10/100 Mb and half/full duplex communications.
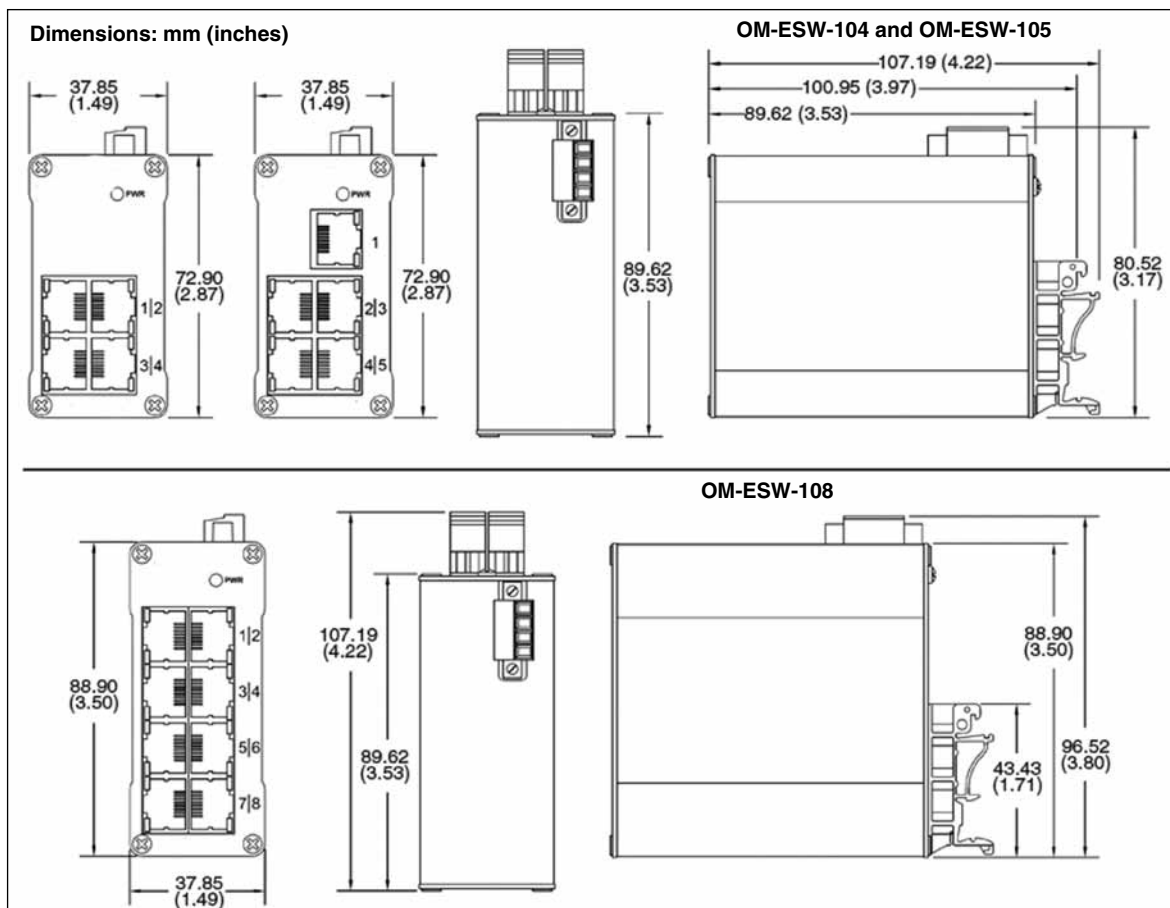
Safety Summary

All safety related regulations, local codes and instructions that appear in the literature or on equipment must be observed to ensure personal safety and to prevent damage to either the instrument or equipment connected to it. If equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

For OM-ESW-108: Use 60/75°C rated copper wire, (0.22 Nm) 2 inch-lbs. tightening torque for field installed connectors.

For OM-ESW104/OM-ESW105: Use 95°C rated copper wire, (0.22 Nm) 2 inch-lbs. tightening torque for field installed connectors.

LED	Color	Description
Power	ON	Power is applied
	OFF	Power is OFF
LINK/ACT	ON	Link established, no activity on cable
	BLINKING	Link established, activity on cable
	OFF	No link activity on cable
SPD	ON	Link is 1000Mbps
	OFF	Link is 10Mbs

Dimensions: mm (inches)

OM-ESW-104 and OM-ESW-105

OM-ESW-108

SPECIFICATIONS
Power: 10 to 30 Vdc
OM-ESW-104; OM-ESW-105: 215 mA maximum @ 24 Vdc
OM-ESW-108: 250 mA maximum @ 24 Vdc

LED'S
Please refer to chart on previous page

ENVIRONMENTAL CONDITIONS
Operating Temperature Range:
OM-ESW-104; OM-ESW-105: -40 to 80°C (-40 to 176°F)
OM-ESW-108: -40 to 70°C (-40 to 158°F)
Storage Temperature Range: -40 to 85°C (-40 to 185°F)
Operating Humidity: 10 to 95%, non-condensing
Altitude: Up to 3000 meters

CONSTRUCTION
Anodized aluminum housing with stainless steel end plates

CONNECTIONS
Power: Removable wire clamp screw terminal block.
Wire Gage Capacity: 28 to 16 AWG
Torque: 2 in/lb (0.22 Nm)
Ethernet: RJ-45 UTP ports

MOUNTING
Snaps onto standard DIN style top hat (T) profile mounting rail according to EN50022 35 x 7.5 and 35 x 15.

CERTIFICATIONS AND COMPLIANCES
UL Listed: Part numbers OM-ESW-104, OM-ESW-105 and OM-ESW-108
Safety: Suitable for use in Class I, Division 2, Groups A, B, C and D hazardous locations, or non-hazardous locations only

OMEGACARE℠ extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARE℠ covers parts, labor and equivalent loaners.

Immunity to Industrial Locations:
EMI:
EN61000-6-4, EN55011 – Class A
FCC Title 47, Part 15, Subpart B – Class A
ICES-003 – Class A

EMS:
EN61000-6-2
EN61000-4-2 (ESD)
EN61000-4-3 (RS)
EN61000-4-4 (EFT)
EN61000-4-5 (Surge)
EN61000-4-6 (Conducted Disturbances)

Weight:
OM-ESW-104; OM-ESW-105: 0.27 kg (0.6 lbs)
OM-ESW-108: 0.31 kg (0.7 lbs)

To Order

Model No.	Description
OM-ESW-104	4 port ethernet switch
OM-ESW-105	5 port ethernet switch
OM-ESW-108	8 port ethernet switch
RAIL-35-1	35 mm DIN rail, 1 m (3.3') length
RAIL-35-2	35 mm DIN rail, 2 m (6.6') length

Comes complete with operator's manual.
***Ordering Example: OM-ESW-104**, 4 port ethernet switch and **OCW-2** OMEGACARE℠ 2-year extended warranty (adds 2 years to standard 1-year warranty).*