



ES4008 (left) and ES4004 (right)

Overview

The ES4000 is an unmanaged Ethernet switch to support the Scanivalve MPS4200 series of Ethernet pressure scanners. It was designed to be as small as possible to allow for installation in wind tunnel models along side MPS4200 scanners. The switch allows for the user to bring a single Ethernet cable from the control network or host computer into the test article, minimizing test setup time and the number of cables that must pass through the critical, high demand space.

The ES4008 is a 9 port switch, providing support for 8 mini-connector 100Base-T ports, and a single Gigabit 'uplink' RJ45 connection back to the host computer or control network. The ES4004 is a 5 port version of similar design.

The aluminum case provides a rugged, reliable package. All connectors, both power and Ethernet are latching to provide reliable connections in high vibration environments. Multiple threaded mounting holes as well as the overall small size and light weight make installation flexible and easy.

Features

- Supports up to four (4) or eight (8) 100Base-T Ethernet connections
- Gigabit RJ45 uplink port
- Can be powered with 9-36Vdc
- 0°C to 70°C operating range
- Optional Mounting Plate (included)

Specifications

	ES4004	ES4008
Dimensions	See dimension drawings	
Weight	0.21lbs [92.5g]	0.24lbs [108.9g]
Weight with Mounting Hardware	0.26lbs [117.5g]	0.30lbs [136.1g]
Total Ports	4 + 1 Uplink	8 + 1 Uplink
Power Connector	TE Connectivity PLG 8P8C Mini1	
Power Supply	9 to 36VDC	
Power Consumption	2W	
Uplink Ethernet Connector	RJ45	
Uplink Ethernet Connection	1000Base-T, MDIX Auto-crossing	
Mini Ethernet Connector	TE Connectivity PLG 8P8C Mini2	
Mini Ethernet Connection	100Base-T, MDIX Auto-crossing	
Operating Temperature	0° to 70°C	
Storage Temperature	0° to 80°C	
Humidity	5 to 95% RH, Non-condensing	
Environment Pressure	Minimum: 0.5PSIA (3.4kPa abs) Maximum: 100PSIA (690kPa abs)	
Standards	CE, MIL-STD-810G Cat 24	

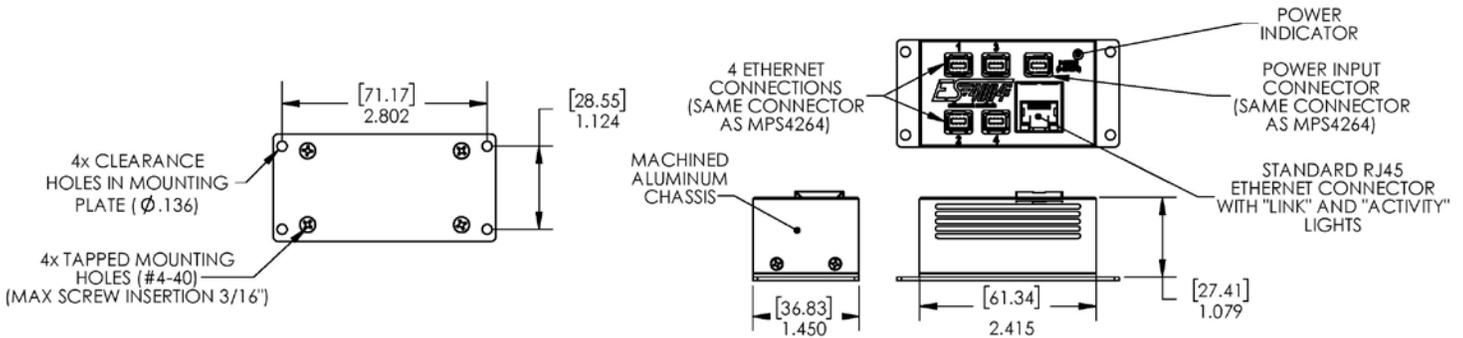
Ordering Information Specify: **ES4004** or **ES4008**

ES4000

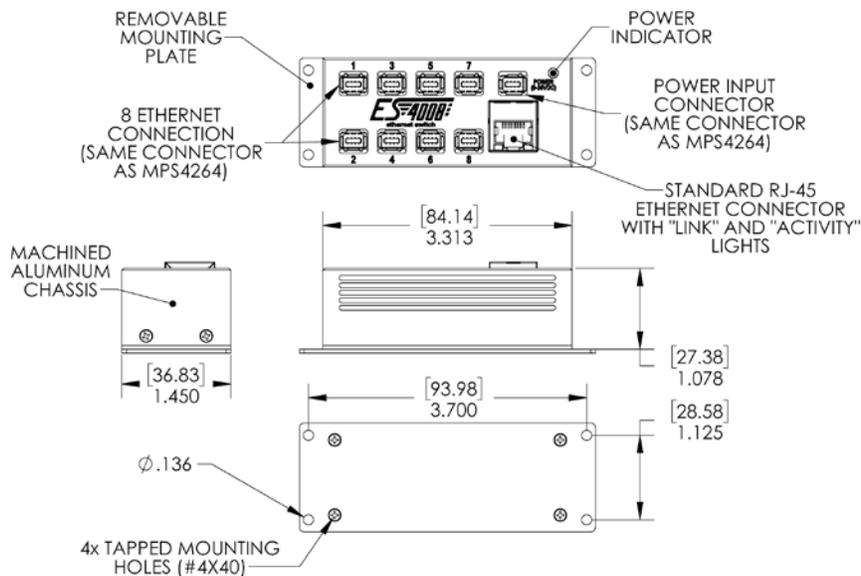


Dimensions Inches [mm]

ES4004



ES4008

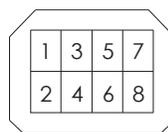


Pinouts

All ES4000

Mini Ethernet Connections	
Pin	Connection
1	TX+
2	TX-
3	RX+
4	Spare
5	Spare
6	RX-
7	Spare
8	Spare

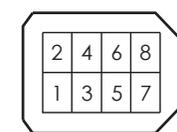
TE PLG 8P8C Mini2



View from back of mating connector

Power Connection	
Pin	Connection
1	Unused
2	Unused
3	Unused
4	Unused
5	Unused
6	DC RTN
7	VIN (9-36VDC)
8	DC RTN

TE PLG 8P8C Mini1



View from back of mating connector

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