

Model: IF1005P

5-Port 10/100 Mbps Industrial PoE+ Switch



44~57V Dual DC Redundancy



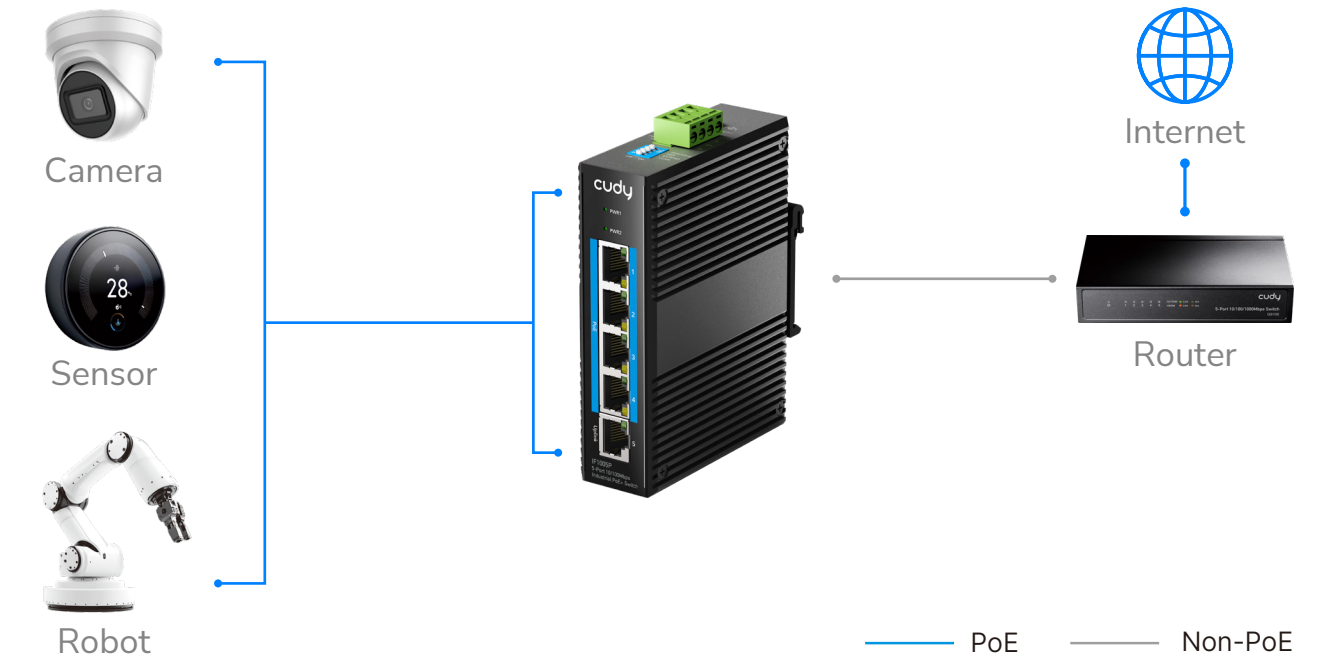
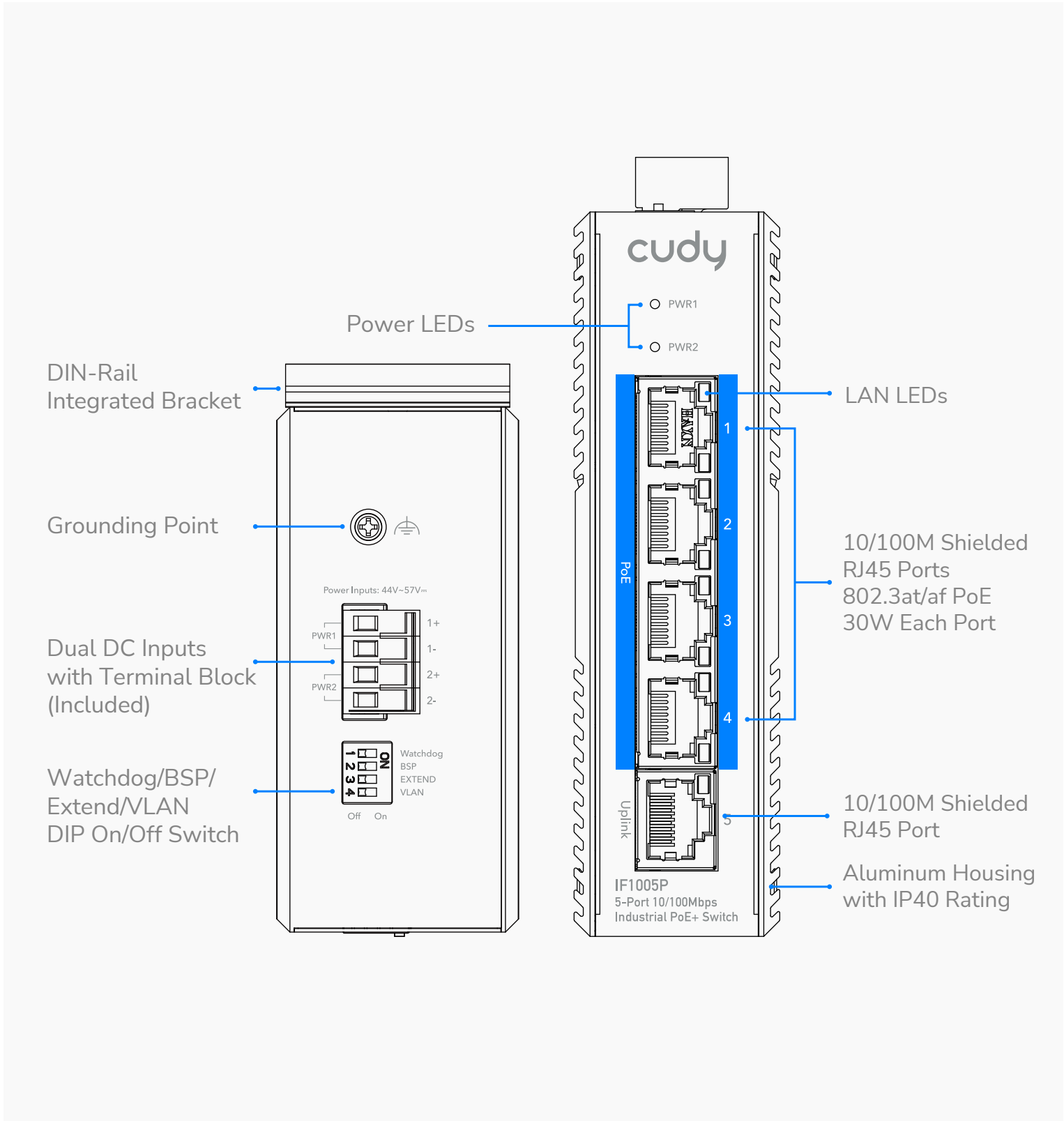
Industrial-Grade EMC and Casing Design



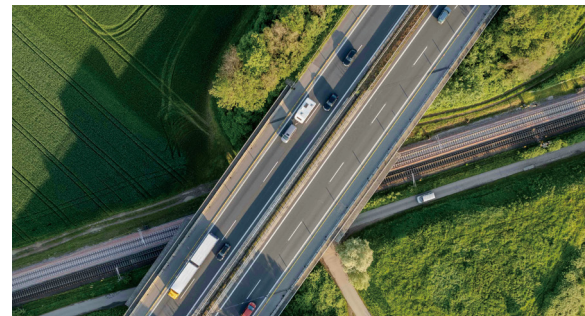
-40~75 °C Ambient Temperature

[Datasheet](#)





Built for Tough Environments



Transportation



Retail/Enterprise



Power Grid Management



Manufacturing and Automation



Highlights

A 5-FE industrial PoE switch for networking in harsh conditions such as manufacturing, transportation, maritime, oil & gas, and mining.

- 5× FE, Shielded, ±6kV Surge Resistant
- 4× 802.3at/af Mode A PoE
- IP40, -40~75°C (-40~167°F)
- Dual-Power Redundancy, 44~57V Range
- Polarity Reverse Protection
- Short Circuit Protection
- Broadcast Storm Prevention On/Off
- Extend On/Off, VLAN On/Off
- Integrated DIN-Rail Bracket

Package Content

- IF1005P
- Installation Guide

Specifications

Interfaces	10/100 Mbps RJ45 Ports	5
	10/100 Mbps RJ45 PoE Ports	#1~#4
	Max Power on Each PoE Port	30W
	PoE Port Notes	Complies with IEEE 802.3at/af .
	Extend Mode Ports	#1~#4
	VLAN Mode Ports	#1~#4
	LED	Power 1
		Power 2
		Link/ACT of Each Ethernet Port
		PoE Status of Each PoE Port
	Power Input	Terminal Block 4-PIN
	Physical Buttons	PoE Watchdog On/Off
		VLAN On/Off
		Extend On/Off
	Watchdog Note	Broadcast Storm Prevention On/Off
		PoE Watchdog will attempt to reboot the
plugged-in clients that have been inactive for 5 minutes. Do not turn it on for clients with online auto-upgrade feature.		



Specifications

Performance	Copper Speed and Distance	Cat. 3 or higher cable: 100 meters at 10 Mbps
		Cat. 5 or higher cable: 100 meters at 100 Mbps
		Cat. 5e or higher cable: 250 meters at 10 Mbps
	Copper Speed and Distance Note	250-meter transmission is only available on
		the Extend Mode ports when the Extend Mode is activated.
	MAC Address Table	2048
	Max Switching Capacity	1 Gbps
	Max Forwarding Rate	0.744 Mpps
	Jumbo Frame	2 KB
Power	Packet Buffer	768 Kbit
	Power Methods	DC
	Power Redundancy	Dual Inputs
	DC	44-57V $\overline{=}$
	Max Power Consumption	120W (Excluding PoE: 0.9W)
	Idle Power Consumption	0.25W
	Polarity Reverse Protection	True
	Short Circuit Protection	True

Switching	802.3 Protocols	802.3at PoE
		802.3af PoE
		802.3i 10BASE-T
		802.3u 100BASE-TX
		802.3ab 1000BASE-T
		802.3x Flow Control
Reliability	EMS	IEC/EN 61000-4-2, Level 4 ESD:
		Contact: 8kV; Air: 15kV
		IEC/EN 61000-4-3, Level 4 RS:
		80 MHz to 1 GHz: 10 V/m
		IEC/EN 61000-4-4, Level 4 EFT:
		Power: 2kV; RJ45: 4kV
		IEC/EN 61000-4-5, Level 4 Surge: Power:
		DM 2kV, CM 4kV; RJ45: CM 6kV
		IEC/EN 61000-4-6, Level 3 CS: 10V
		IEC/EN 61000-4-8, Level 5 PFMF
	EMS Note	IEC/EN 61000-4-9, Level 5
		IEC/EN 61000-4-10, Level 5
		The levels listed in each EMS field are the highest level defined in the IEC/EN standard.



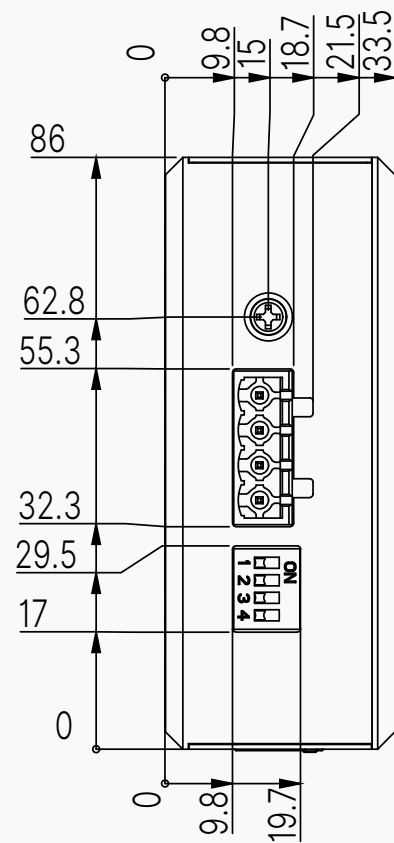
Specifications

Reliability	Grounding Methods	Grounding Point
	Safety	IEC/EN 62368
	EMC	EN55032 Class A
		EN55035 Class A
	EMI	FCC 47 CFR Part 15B Class A
	Shock	IEC 60068-2-27
	Vibration	IEC 60068-2-6
	Free Fall	IEC 60068-2-32
	Environment	Operating Temperature:
		-40 °C ~ 75 °C (-40 °F ~167 °F)
		Storage Temperature:
		-40 °C ~ 85 °C (-40 °F ~ 185 °F)
		Operating Humidity: 5%~95% non-condensing
Storage Humidity: 5% ~ 95% non-condensing		
Mechanical	Dimension	118×86×33.5 mm
		4.65×3.39×1.32 inches
	Product Weight	341.5 g (12.05 oz.)
	Casing Material	Aluminum
	Ingress Protection	IP40
	Installation	DIN-Rail

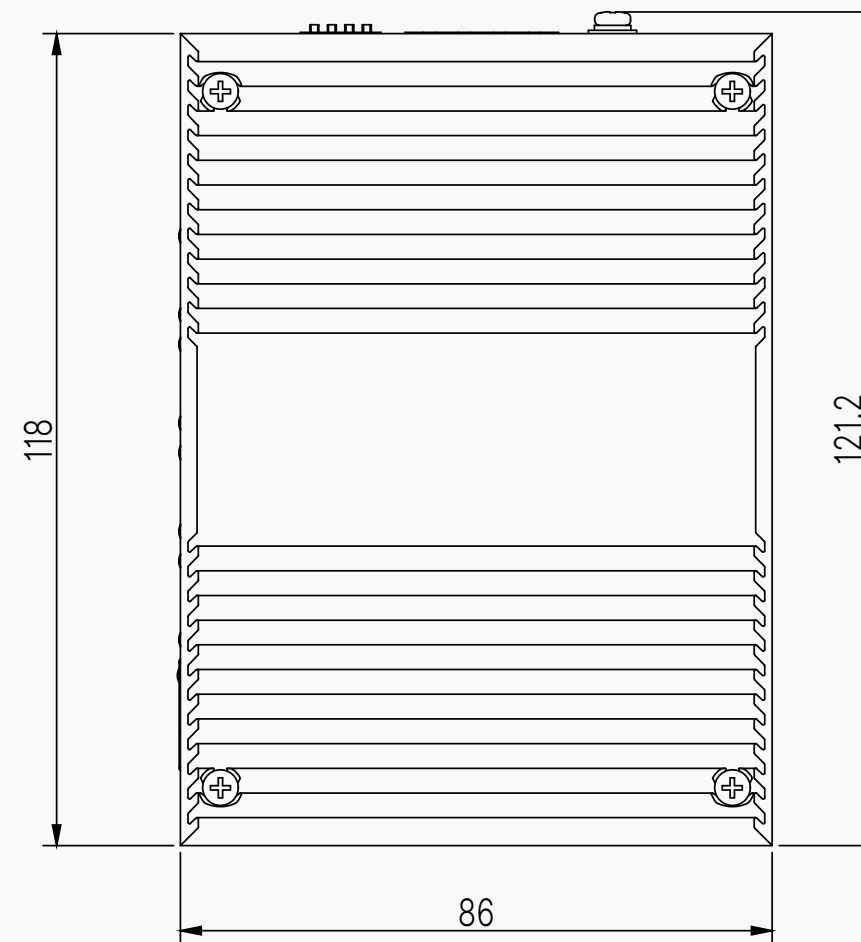
Ordering Information	Retail Package Dimension	182×137×65 mm
		7.17×5.39×2.56 inches
	Retail Package Weight	473.0 g (16.68 oz.)
	Units per Carton	20
	Carton Net Weight	9.5 kg (20.94 lbs)
	Carton Gross Weight	10.1 kg (22.27 lbs)
	Carton Dimension	38.8×34.8×29.8 cm
		15.28×13.7×11.73 inches

Spatial Measurements

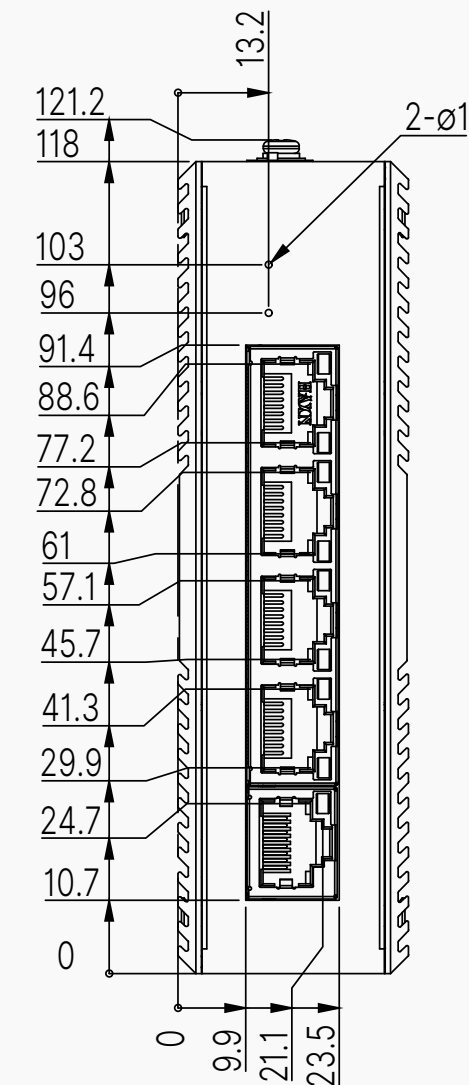
TOP VIEW



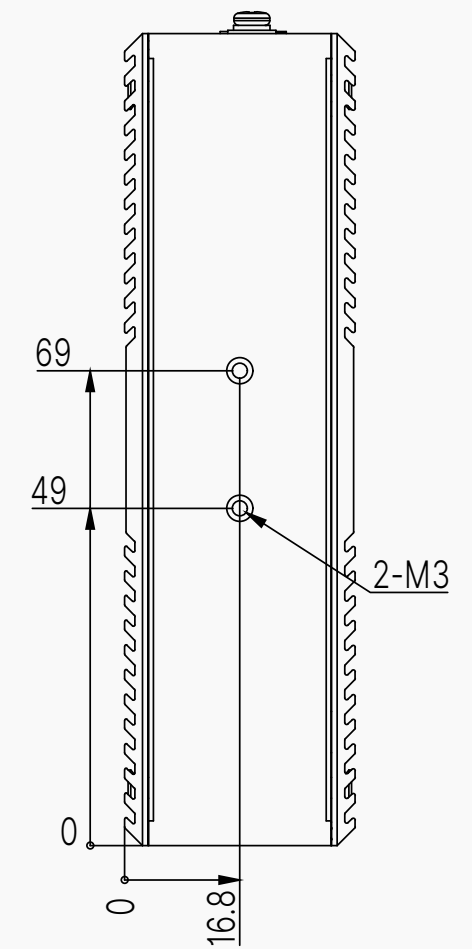
RIGHT VIEW



FRONT VIEW



BACK VIEW



Spatial Measurements

