

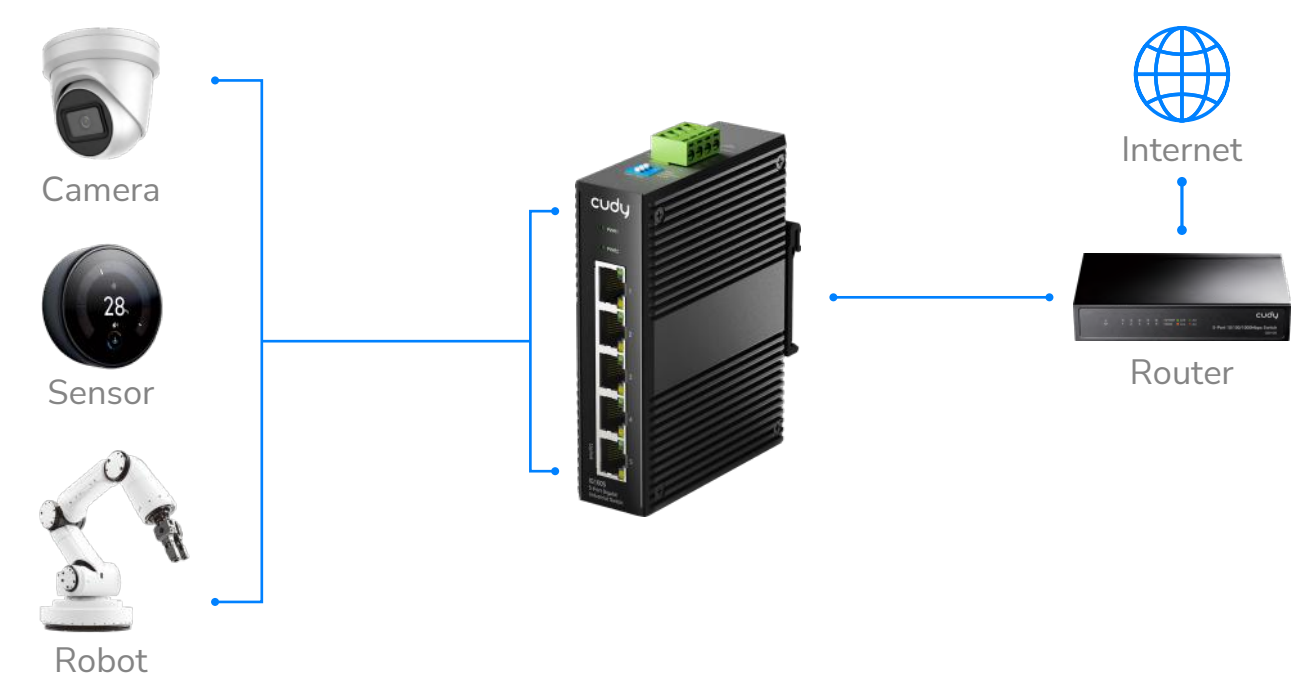
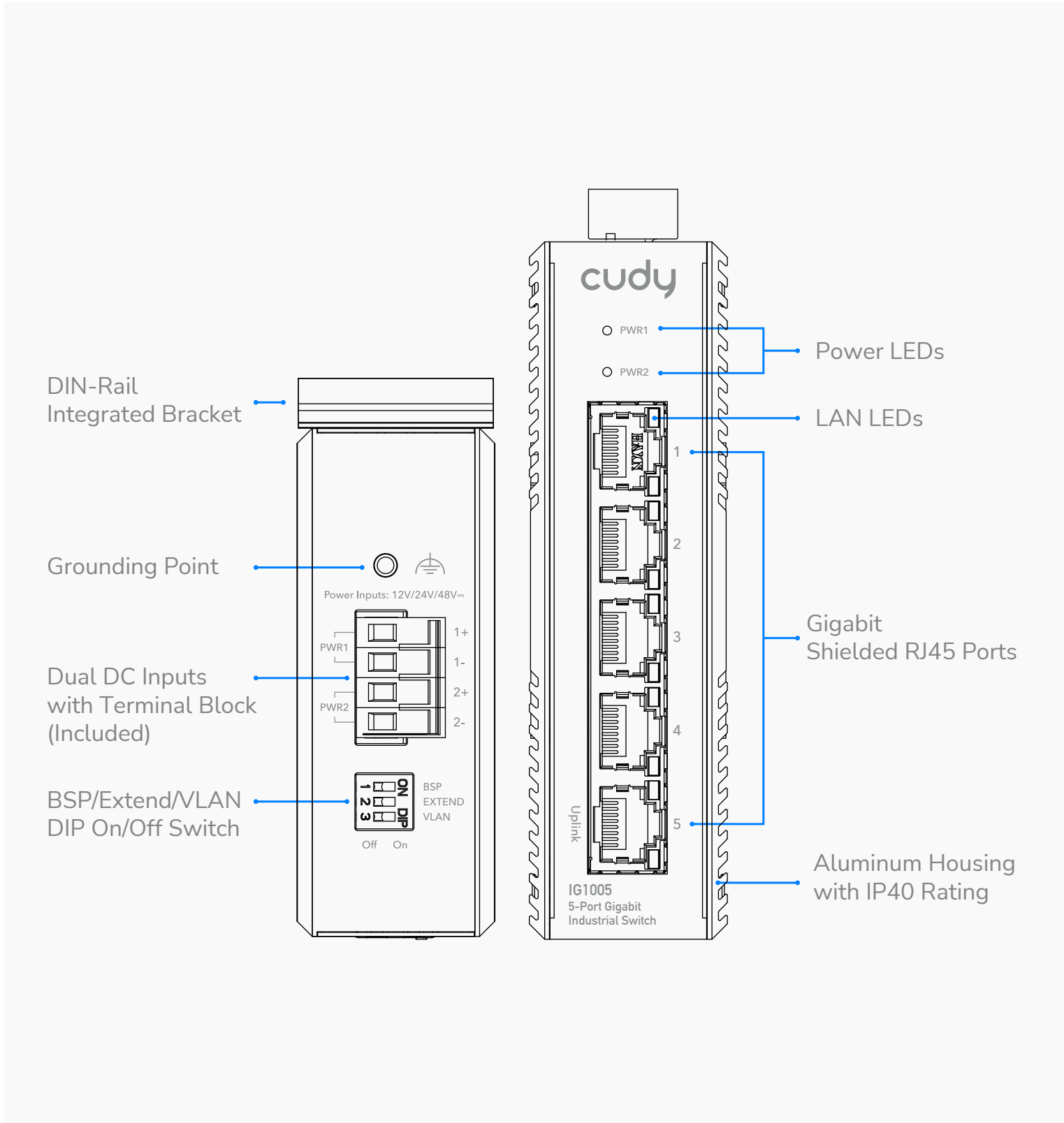
Model: IG1005

5-Port Gigabit Industrial Switch

-  **9.6~60V** Wide Voltage Range
-  **Industrial-Grade** EMC and Casing Design
-  **-40~85 °C** Ambient Temperature

[Datasheet](#)





Built for Tough Environments



Transportation



Retail/Enterprise



Power Grid Management



Manufacturing and Automation



Highlights

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

- 5× GbE, Shielded, ±6kV Surge Resistant
- IP40, -40~85°C (-40~185°F)
- Dual-Power Redundancy, 9.6~60V Range
- Polarity Reverse Protection
- Short Circuit Protection
- Broadcast Storm Prevention On/Off
- Extend On/Off, VLAN On/Off
- Integrated DIN-Rail Bracket

Package Content

- IG1005
- Installation Guide

Specifications

Interfaces	Gigabit RJ45 Ports	5
	Extend Mode Ports	#1~#4
	VLAN Mode Ports	#1~#4
	LED	Power 1
		Power 2
		Link/ACT of Each Ethernet Port
	Power Input	Phoenix Terminal 4-PIN
	Physical Buttons	VLAN On/Off
		Extend On/Off
Broadcast Storm Prevention On/Off		
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: 100 meters at 1000 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	8192
	Max Switching Capacity	10 Gbps
	Max Forwarding Rate	7.44 Mpps
Jumbo Frame	9 KB	
Packet Buffer	2 Mbit	



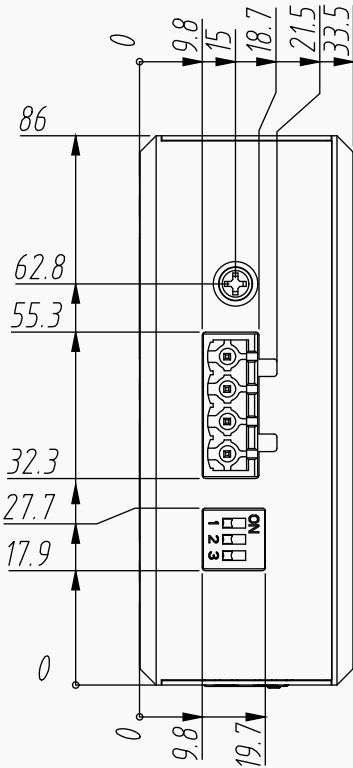
Specifications

Power	Power Methods	DC
	Power Redundancy	Dual Inputs
	DC	9.6-60V $\overline{=}$
	Max Power Consumption	2.0W
	Idle Power Consumption	1.4W
	Polarity Reverse Protection	True
	Short Circuit Protection	True
Switching	802.3 Protocols	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
		IEC/EN 61000-4-9, Level 5
		IEC/EN 61000-4-10, Level 5
	EMS Note	The levels listed in each EMS field are the highest level defined in the IEC/EN standard.

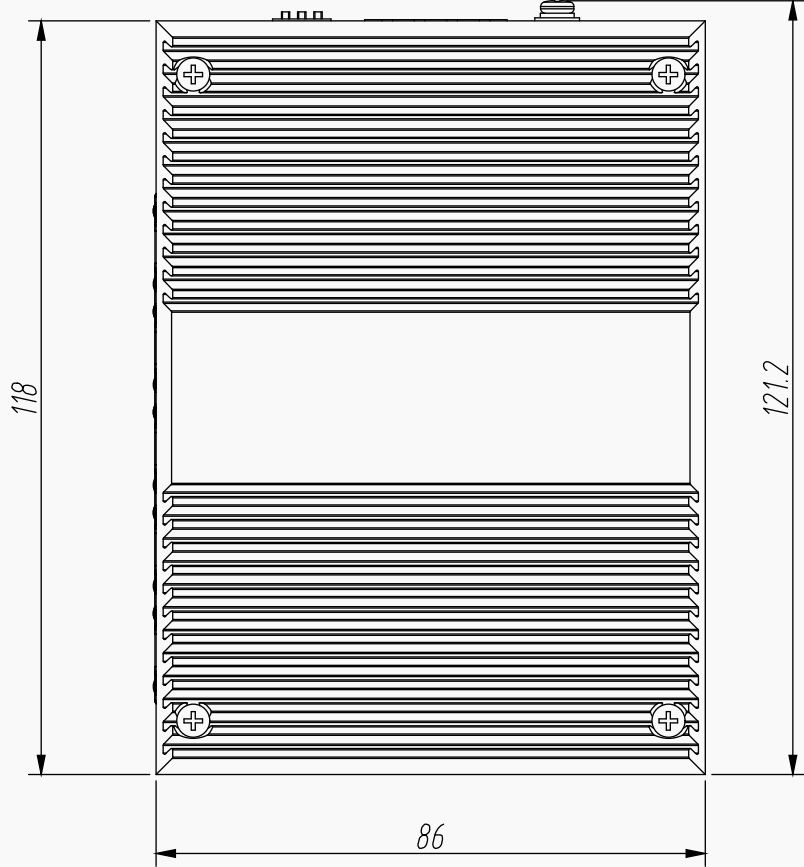
Reliability	Grounding Methods	Grounding Point
	Safety	IEC/EN 62368
	EMC	EN55032 Class A
		EN55035 Class A
	EMI	FCC 47 CFR Part 15B Class A
	Shock	IEC 60068-2-27
	Vibration	IEC 60068-2-6
	Free Fall	IEC 60068-2-32
	Environment	Operating Temperature: -40 °C ~ 85 °C (-40 °F ~185 °F)
		Storage Temperature: -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	318.6 g (11.24 oz.)
	Casing Material	Aluminum
	Ingress Protection	IP40
	Installation	DIN-Rail
Ordering Information	Retail Package Weight	441.0 g (15.56 oz.)
	Carton Net Weight	8.8 kg (19.4 lbs)
	Carton Gross Weight	9.6 kg (21.16 lbs)

Spatial Measurements

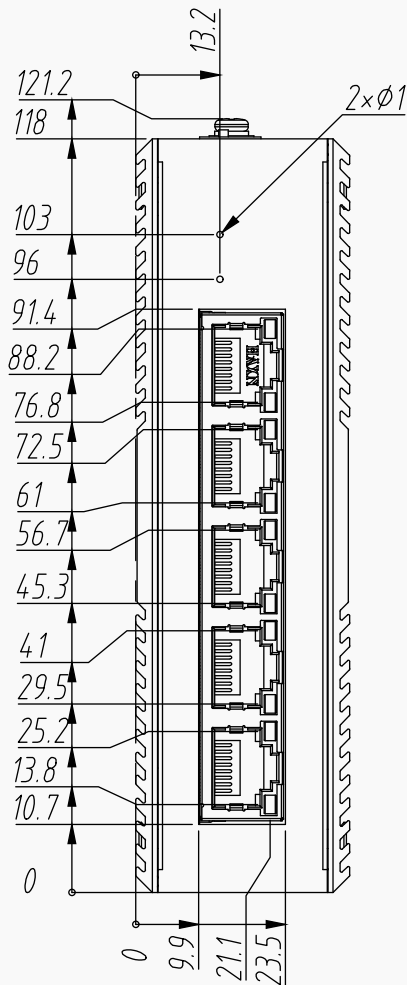
TOP VIEW



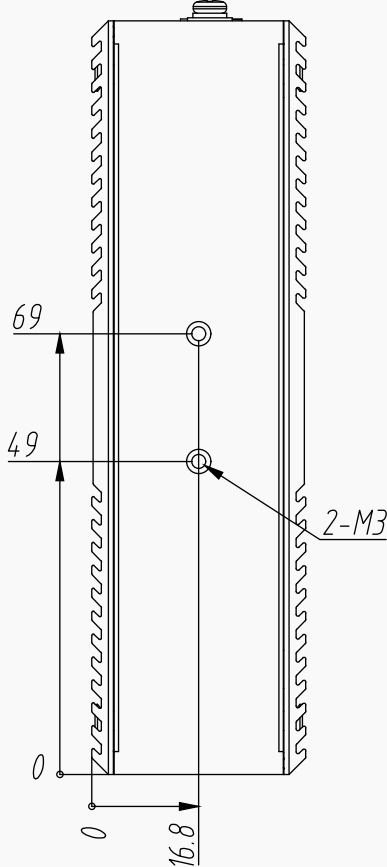
RIGHT VIEW



FRONT VIEW

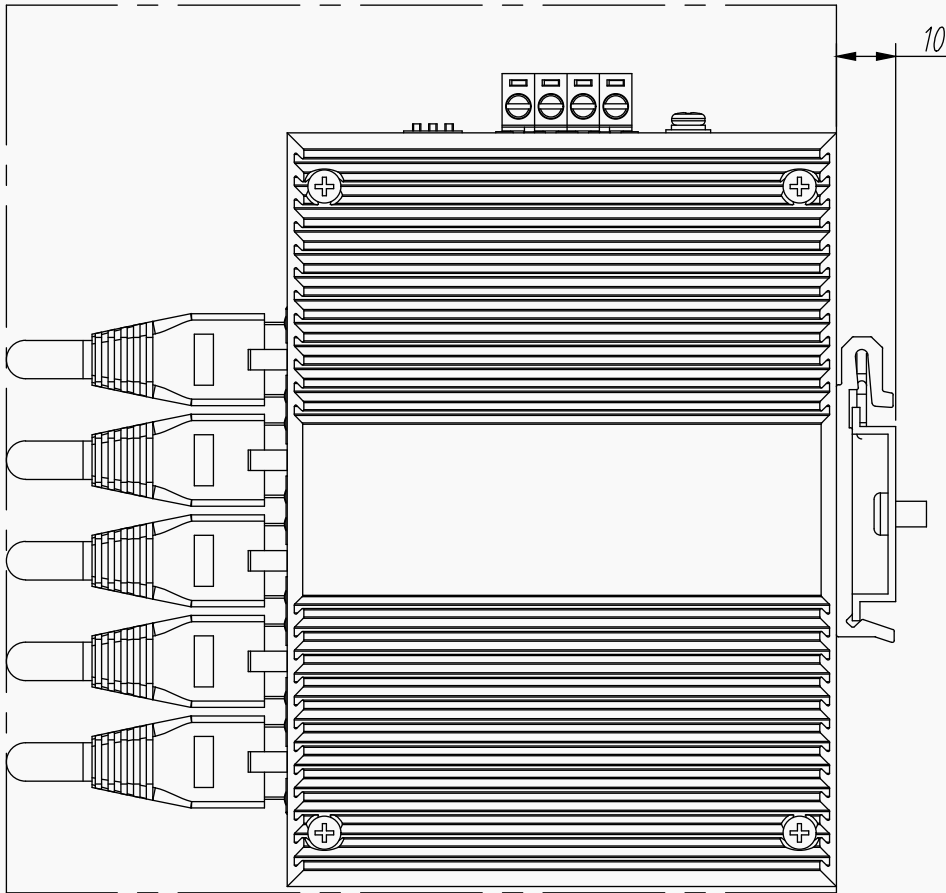


BACK VIEW



Spatial Measurements

DIN RAIL



MOUNTING SPACE

