


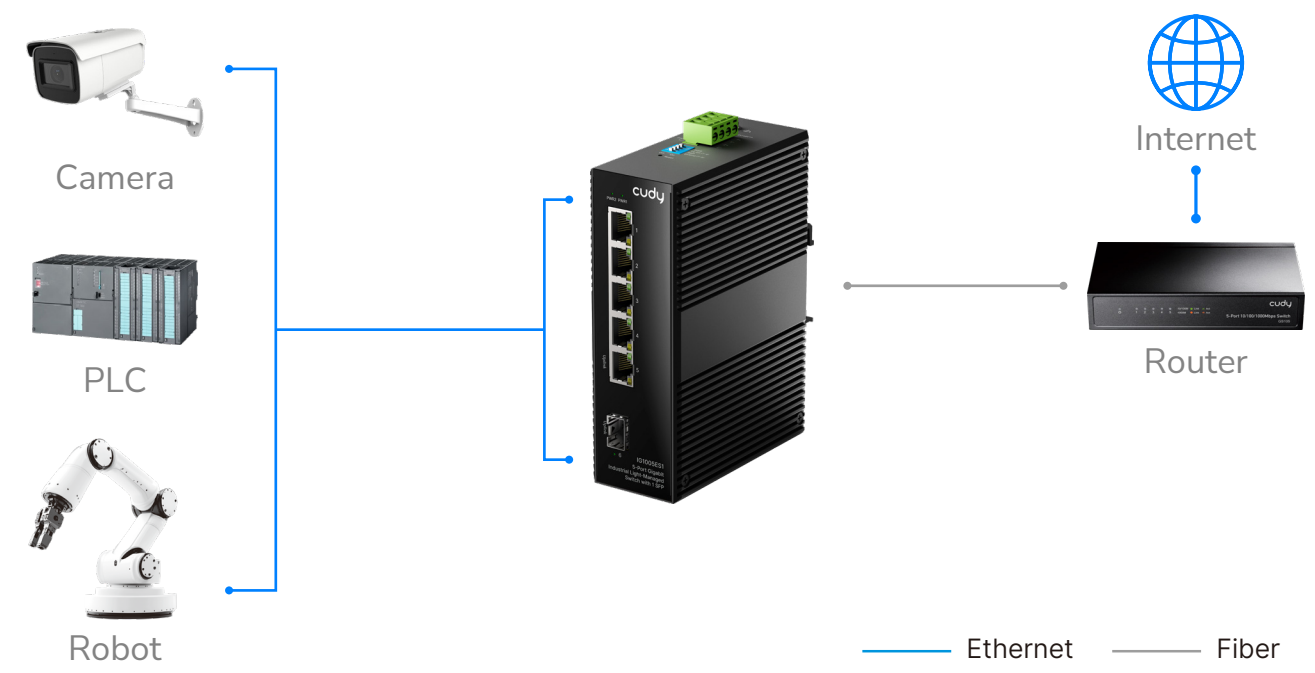
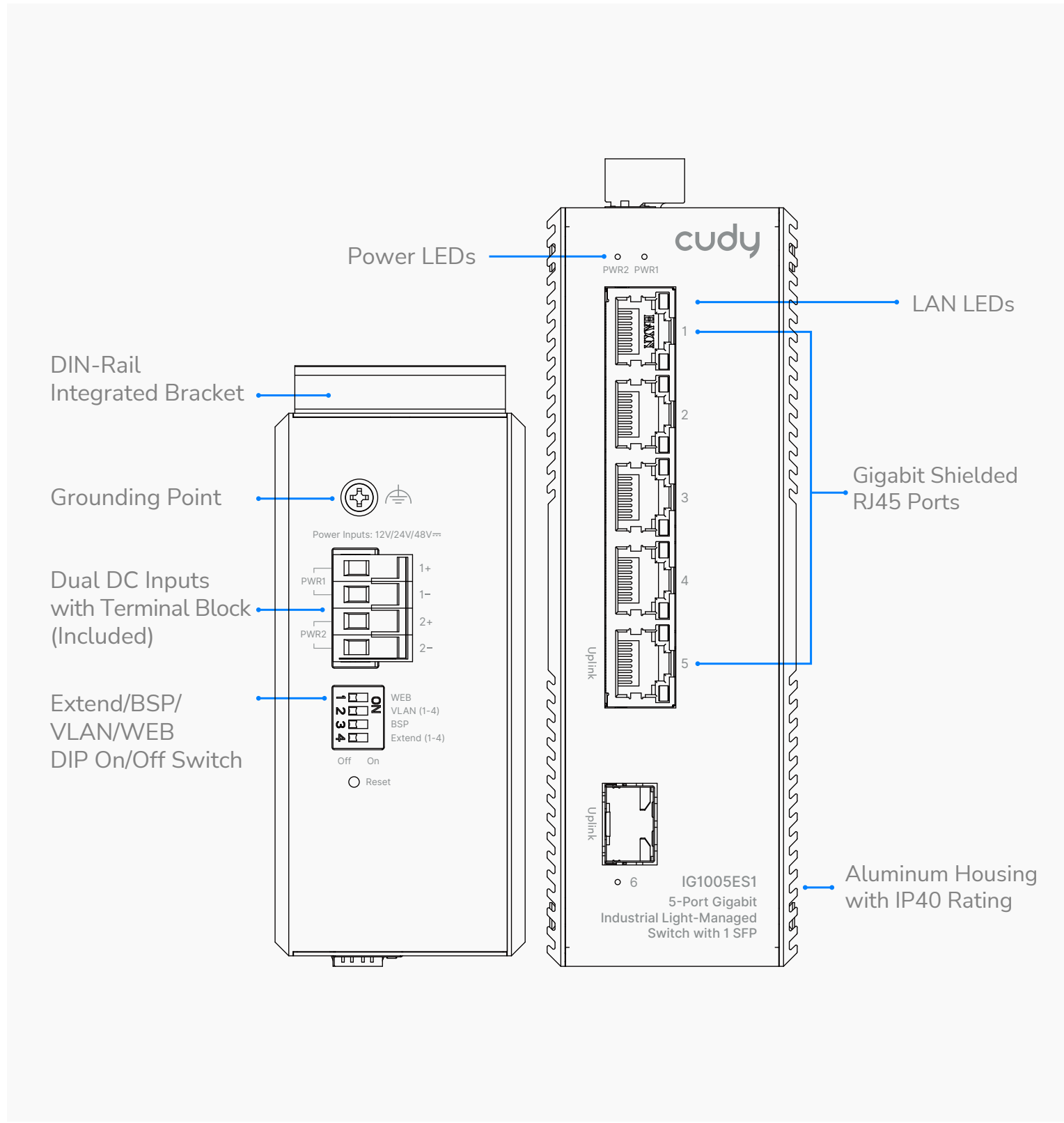


Model: IG1005ES1

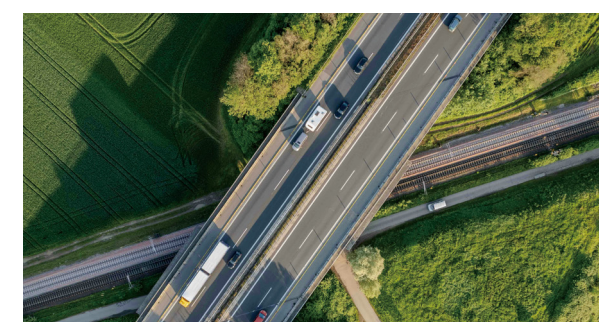
## 5-Port Gigabit Industrial Easy-Managed Switch with 1 SFP

-  **Dual-Power Input** 9.6-60V DC
-  **Industrial-Grade** EMC Design
-  **-40~75 °C** Ambient Temperature





### Built for Tough Environments



Transportation



Retail/Enterprise

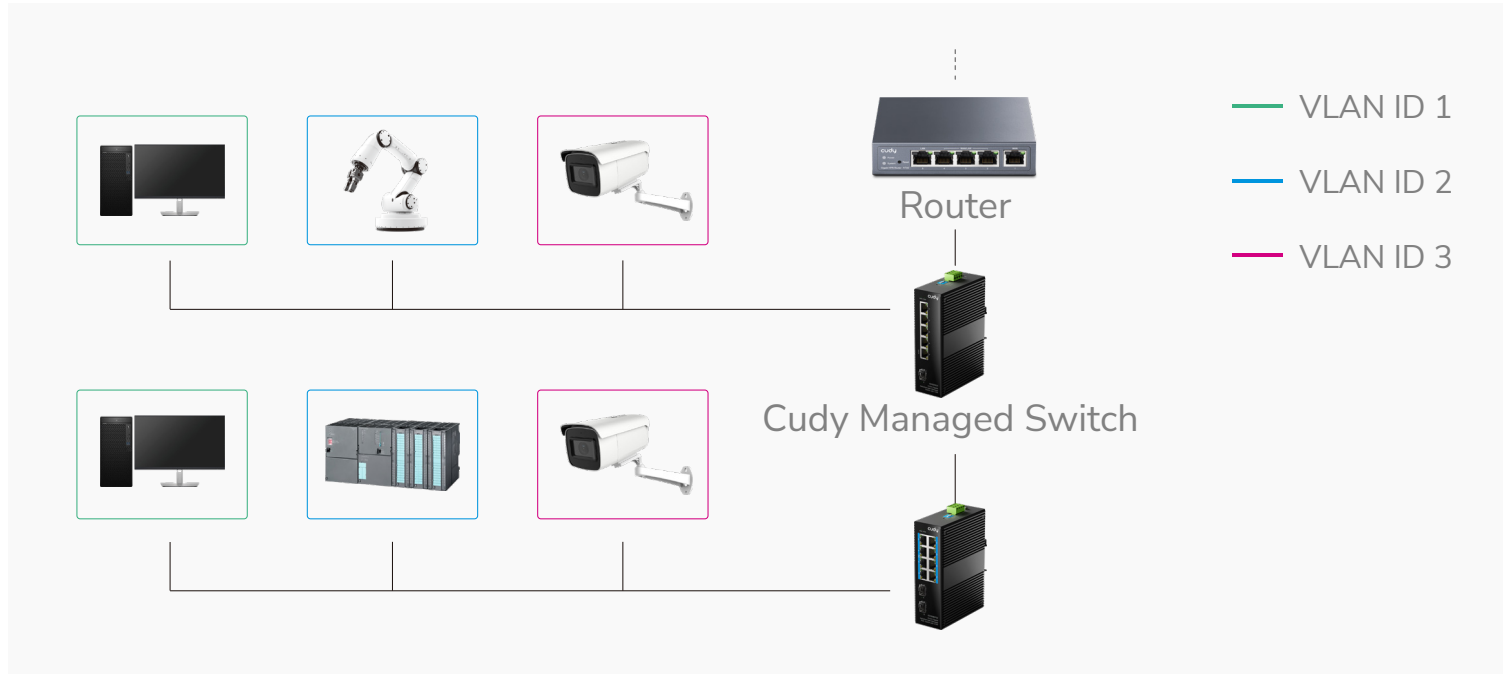


Power Grid Management



Manufacturing and Automation

## Create a Safe Network with VLAN



## Essential Management Made Easy

- |                              |                      |
|------------------------------|----------------------|
| VLAN 802.1Q                  | QoS DSCP/802.1p      |
| Speed/Aggregation Management | IGMP Snooping        |
| Loop Prevention              | 802.3az Power Saving |

## Highlights

A 5-GbE 1-SFP industrial switch with management feature for networking in harsh conditions such as manufacturing, transportation, maritime, oil & gas, and mining.

- 5× GbE, Shielded, ±6kV Surge Resistant
- 1× 1.25G SFP
- Dual DC Inputs, Requires 9.6~60V Power
- IP40, -40~75°C (-40~167°F)
- Polarity Reverse Protection
- Short Circuit Protection
- Broadcast Storm Prevention On/Off
- VLAN/BSP/Extend On/Off
- Integrated DIN-Rail Bracket

## Package Content

- IG1005ES1
- Installation Guide

# Specifications

Interfaces	1.25G SFP Slots	1	
	Gigabit RJ45 Ports	5	
	Extend Mode Ports	#1~#4 by default, configurable when the Web mode is activated	
	VLAN Mode Ports	#1~#4 by default, configurable when the Web mode is activated	
	LED	Power 1	
		Power 2	
		Link/ACT of Each Ethernet Port	
	Power Input	Dual-Input Terminal Block	
	Physical Buttons	Reset Button	
		Web On/Off	
VLAN On/Off			
Broadcast Storm Prevention On/Off			
Extend On/Off			
Physical Buttons Note	When Web On/Off is enabled, the other On/Off toggles will be ignored by the system.		

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 Gigabit
		Cat. 5e or higher cable: 250 meters at 10 Mbps
		Copper Speed and Distance Note
	Optical Spec and Distance	Depends on the Installed Optical Module
	MAC Address Table	2048
	Max Switching Capacity	12.5 Gbps
	Max Forwarding Rate	8.929 Mpps
	Jumbo Frame	15 KB
Packet Buffer	1 Mbit	
Power	Power Methods	DC via Terminal Block
	Power Redundancy	Dual Inputs
	DC	9.6-60V <sup>DC</sup>
	Max Power Consumption	3.1W
	Idle Power Consumption	0.64W
	Polarity Reverse Protection	True
	Short Circuit Protection	True



# Specifications

Switching	802.3 Protocols	802.3x Flow Control
		802.3i 10BASE-T
		802.3u 100BASE-TX
		802.3ab 1000BASE-T
		802.3z 1000BASE-X
		802.3az Power Saving
	802.1 Protocols	802.1p: LAN Layer 2 QoS/CoS
		802.1q: VLAN Bridge Operation
	Port Management	Port On/Off
		Port Negotiation Speed
		Port Trunk (Static Aggregation)
		Port Mirror
		Data Rate Limit
		Jumbo Frame Settings
Storm Control		
Traffic Monitor		
MAC Address Management		
EEE (802.3az)		

Switching	L2 Features	IGMP Snooping
		Loop Prevention
		Loop Detection
		MTU VLAN
		Port-Based VLAN
		802.1Q VLAN
		DSCP QoS
		802.1p QoS
		Port-Based QoS

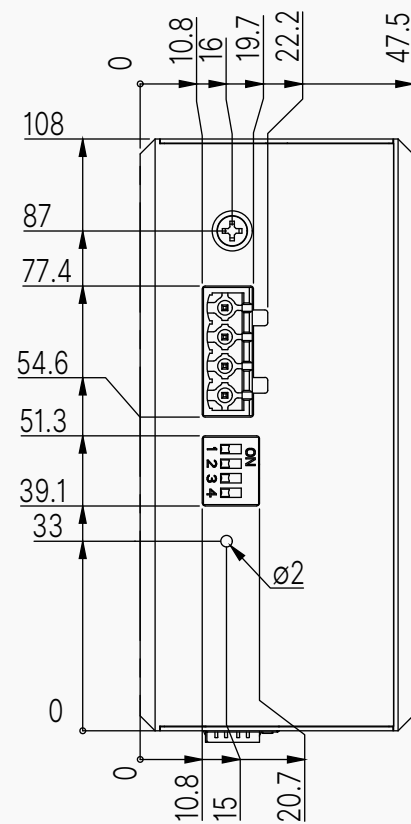
# Specifications

System	Control Methods	Config Web Page
		SNMP V1/V2
	Firmware Upgrade	Local Upgrade
	Reliability	Backup and Restore
	Diagnostic Tools	Cable Status/Length Diagnosis
		Ping
Languages	• English	• Arabic
	• Bengali	• Indonesian
	• German	• Hindi
	• Spanish	• Urdu
	• French	• Traditional Chinese
	• Portuguese	• Simplified Chinese
	• Russian	

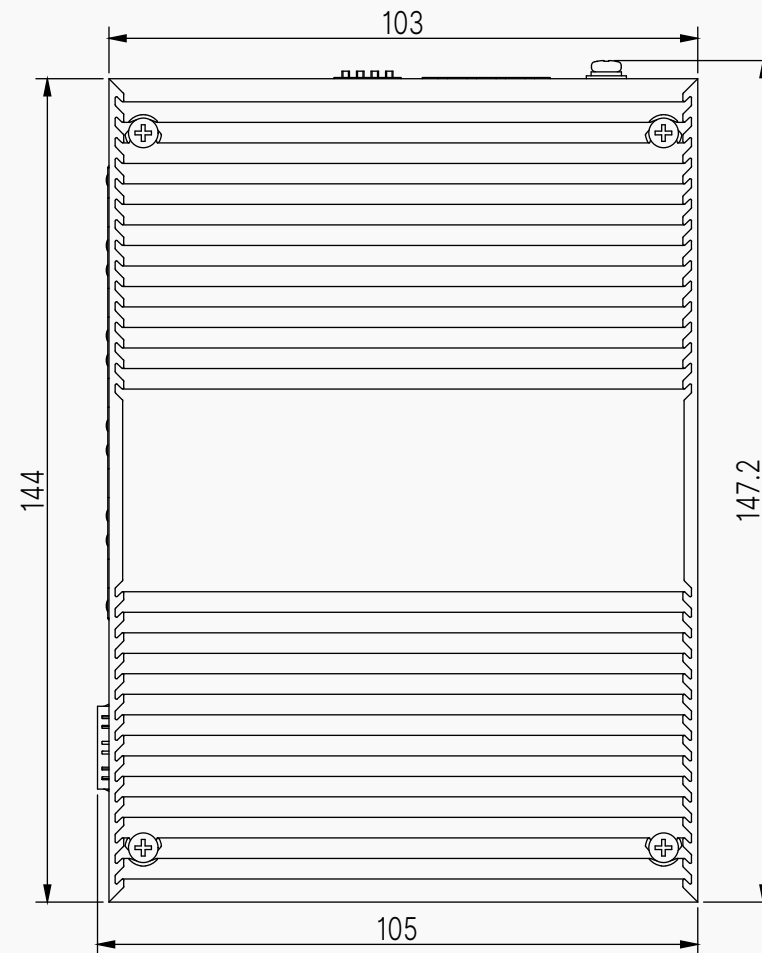
Reliability	Grounding Methods	Grounding Point	
	Safety	IEC/EN 62368	
	EMC	EN55032 Class A	
		EN55035 Class A	
	EMI	FCC 47 CFR Part 15B Class A	
	Shock	IEC 60068-2-27	
	Vibration	IEC 60068-2-6	
	Free Fall	IEC 60068-2-32	
	Environment	Operating Temperature:	-40 °C ~ 75 °C (-40 °F ~167 °F)
		Storage Temperature:	-40 °C ~ 85 °C (-40 °F ~ 185 °F)
Operating Humidity:		5%~95% non-condensing	
Storage Humidity:		5% ~ 95% non-condensing	
Mechanical	Dimension	144×103×47.5 mm	
		5.67×4.06×1.87 inches	
	Casing Material	Aluminum	
	Ingress Protection	IP40	
	Installation	DIN-Rail	

# Spacial Measurements

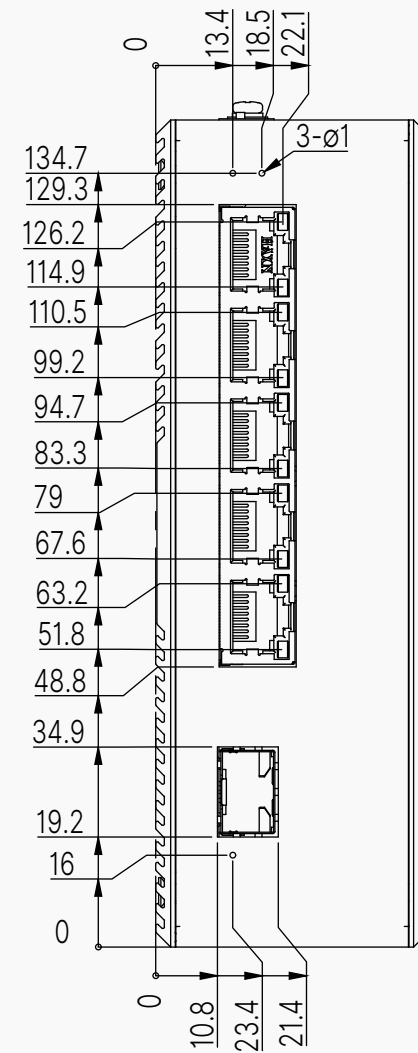
TOP VIEW



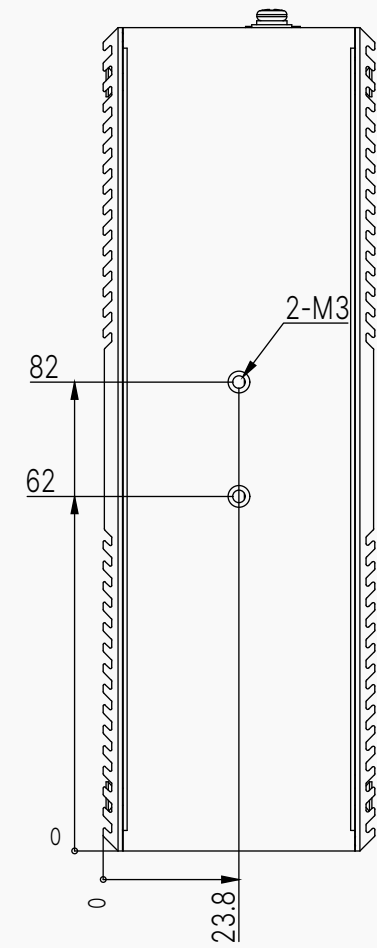
RIGHT VIEW



FRONT VIEW



BACK VIEW



# Spacial Measurements

