

KY-501UG / DYMEC BLACK Series

5 Port Industrial Gigabit Ethernet Switch



- ☒ 5 x 10/100/1000 Mbps (Gigabit Industrial RJ-45 Ports)
- ☒ Built for harsh environments and wide temperature range applications
- ☒ IP30 Casing and Ultra Low Power Consumption
- ☒ DIN-Rail Mounting, Optional Wall Mounting
- ☒ Broadcast Storm Control
- ☒ Designed for Automation & Factory Floor Applications. and Surveillance Networks
- ☒ All Ports Surge Protected
- ☒ Dual Power Inputs - Surge Protected - 12 ~ 48 Volts DC

Specifications

Technology

Standards	IEEE 802.3 10BaseT
	IEEE 802.3u 100BaseTX
	IEEE 802.3ab / 802.3z 1000Base-T
	IEEE 802.3x Flow Control

Processing Type	Store and Forward
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Switch Properties

Priority Queues	8 Queues
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Jumbo Frame	9600bytes
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MAC Table Size	2K
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Packet Buffer	2Mbits
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Interface

RJ45 Port	5 x 10/100/1000T(x), auto Negotiationspeed duplex mode, auto MDI/MDI-X
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LED Indicators	Per unit: PWR1, PWR2
	Ports: Link/Active with highest speed(Green), low speed(Amber)

Power Requirements

Operating Voltage	9 -56VDC, redundant dual inputs
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Connection	1x removable 4-contact terminal block
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Power Consumption	2.76 Watts @ 48 Volts DC (Full Load)
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Protection	Overload Current Protected, Reverse Polarity Protected
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Mechanical Construction

Enclosure	Military Grade Structural Aluminum
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Protection Class	IP30
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Dimensions	103.5 x 32 x 81.5 mm (L x W x D)
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Weight	0.5 kg
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Mounting Type	DIN-Rail, Shelf or Wall
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Environmental Limits

Operating Temperature	Extended: -40°C ~ 85°C (-40°F ~ 185°F)
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Storage Temperature	-40°C ~ 85°C (40°F ~ 185°F)
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Ambient Relative Humidity	5 to 95%, (Non-Condensing)
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Regulatory Approvals

EMI	FCC Part 15 Subpart B Class A CE EN 55032 Class A, VCCI
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EMS	IEC61000-4-2
	IEC61000-4-3
	IEC61000-4-4
	IEC61000-4-5
	IEC61000-4-6

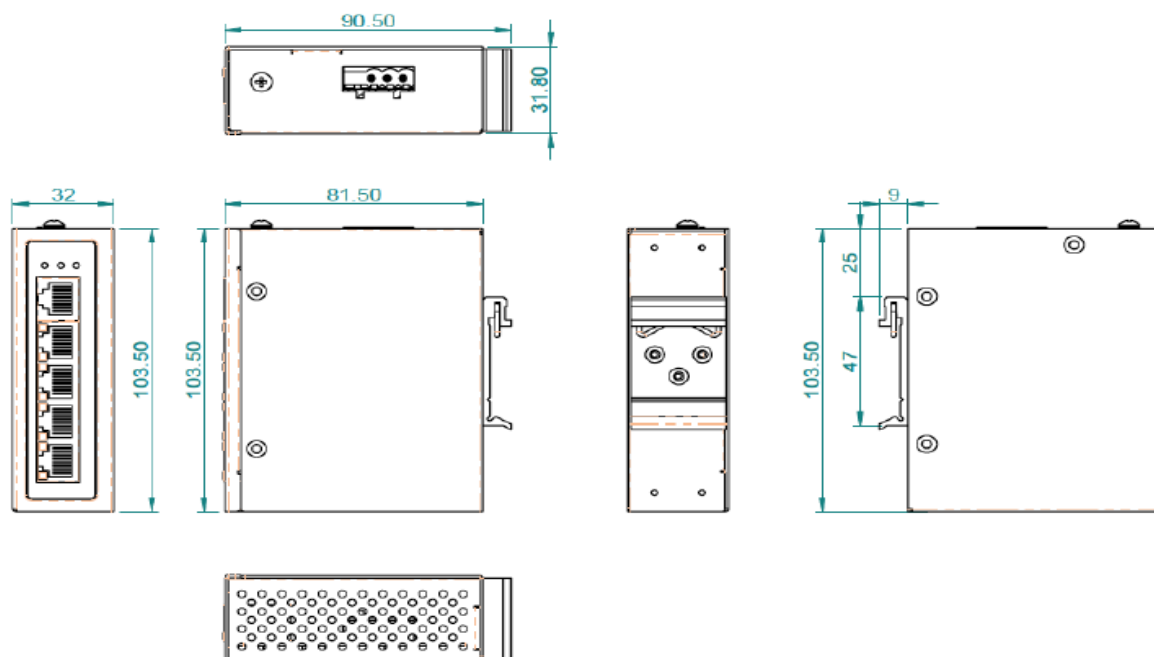
EMS	IEC60068-6-2 IEC61000-4-8 , 61000-6-4
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	UL 60950-1/62368

AC Power Input	18 Volts AC ~ 36 Volts AC Surge Protected
Switch Architecture	Back-plane (Switching Fabric) 12 Gbps
MTBF	>510,304 hours / (MIL-HDBK-217F) 25C
Warranty	5 Years / Limited Lifetime

Note from DYMEC Development.

In a continuing effort of improvement and updated technology, product specifications are subject to change without notice.

Dimensions (unit = mm)



Ordering Information

KY-501UG

5 Port Industrial Gigabit Ethernet Thinline Switch
- 5 x 10/100/1000T(x)

