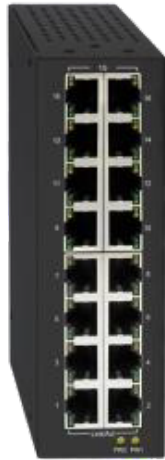


KY-ESG1600 / DYMEC BLACK Series

16 Port Industrial Gigabit Ethernet Switch



16 x Gigabit Ethernet RJ-45 copper ports
Built for harsh environments and wide temperature range application

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 and Power Inputs 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 1000BaseT IEEE 802.3x Flow Control
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Processing Type Store and Forward

Switch Properties

Priority Queues 8 Queues

Jumbo Frame 9600bytes

MAC Table Size 8K

Packet Buffer 4Mbits

Interface

RJ45 Port 16x 10/100/1000T(x), auto negotiation speed duplex mode, auto MDI/MDI-X

LED Indicators **Per unit:** PWR1, PWR2
Ports: Link/Active with highest speed(Green), low speed(Amber)

Power Requirements

Operation Voltage 12-48VDC, redundant dual inputs

Connection 1x removable 6-contact terminal block

Power Consumption 15W

Protection Overload Current Protected, Reverse Polarity Protected

Mechanical Construction

Enclosure Military Grade Metal casing

Protection Class IP30

Dimensions 45x136x95 mm (WxHxD)

Weight 0.5 kg

Mounting DIN-Rail Mounting, Optional Wall Mounting Kits

Environmental Limits

Operating Temperature Standard Operating Temperature:
-40°C ~ 80°C (-40°F ~ 176°F)

Storage Temperature -40°C ~ 85°C (40°F ~ 185°F)

Ambient Relative Humidity 5 to 95%, (Non-Condensing)

Regulatory Approvals

EMI FCC Part 15 Subpart B Class A
CE EN 55032 Class A

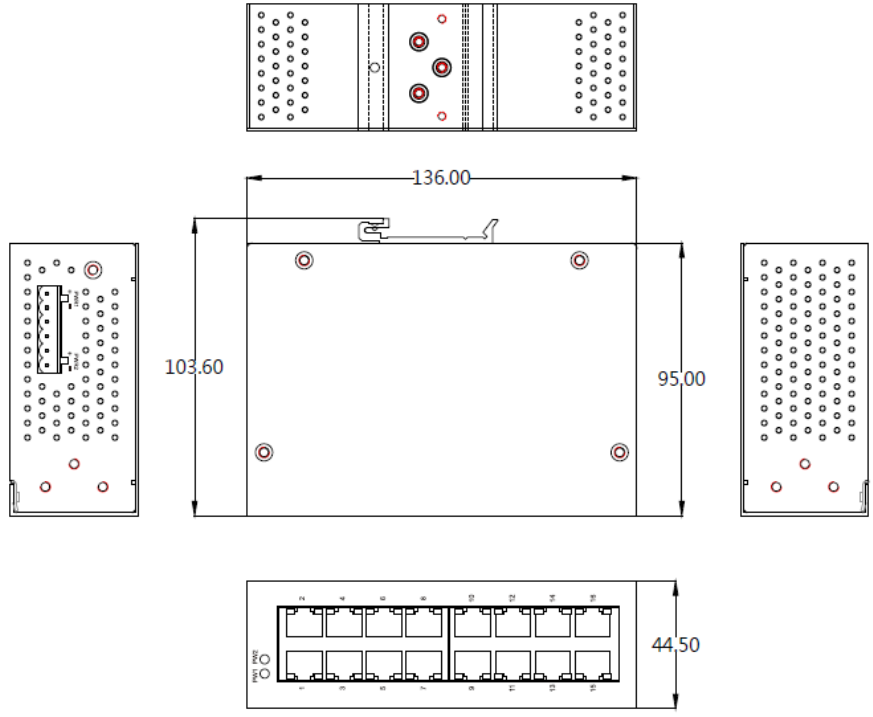
EMS IEC61000-4-2
IEC61000-4-3
IEC61000-4-4
IEC61000-4-5
IEC61000-4-6

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

	61000-6-2
	61000-6-4
MTBF	>190,000 hours
Warranty	5 Years

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-ESG1600 16 Port Industrial Gigabit Ethernet Thinline Switch
 - 16x 10/100/1000T(x)

