**KY-ESG2404-8C / DYMEC ESG Series**

**16+8+4 / 28 Port Unmanaged, Temperature Hardened, Gigabit, Industrial Ethernet Switch**



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|  |  | * 16 x Gigabit Ethernet RJ-45 Ports
* 8 x Gigabit Combo Ethernet
* 4 x 1000F(x) SFP Slots
* Built for Harsh Environments and Wide Industrial Temperature Range Applications
* IP30 Housing – Military Grade
* 19” Rack or Shelf Mounting
* Fanless – Convection Cooled
* Cyber-Secure Video
* Certified Clean Code
* American Certified Ethernet (ACE)
* AC or DC Versions Available / Redundant Power
* Surge Protected
* Broadcast Storm Control

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|  | **Specifications** |

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| **Technology** |
| **Standards** | IEEE 802.3 10BaseTIEEE 802.3u 100BaseTXIEEE 802.3ab 1000BaseTIEEE 802.3z 1000BaseXIEEE 802.3x Flow Control |
| **Processing Type** | Store and Forward |
| **Switch Properties** |
| **Priority Queues** | 7 |
| **Jumbo Frame** | 16000bytes |
| **MAC Table Size** | 16K |
| **Packet Buffer** | 12Mbits |
| **Interface** |
| **RJ45 Port** | 16 x 10/100/1000T(x), auto negotiation speed duplex mode, auto MDI/MDI-X |
| **Combo Port** | 8 x 10/100/1000T(x) with dual speed SFP combo ports, auto media detect |
| **Fiber Port** | 4 x 1000F(x) SFP Slots |
| **LED Indicators** | **Per unit:** PWR1(AC1/DC1), PWR2(AC2/DC2)**Ports:** Link/Active with Greed LED on the left, Speed on the right with highest speed(Amber), low speed(OFF) |
| **Power Requirements** |
| **Operation Voltage** | 90~264 Volts AC, 12~48 Volts DC, redundant dual inputs |
| **Connection** | AC socket, DC 4-pin terminal block |
| **Power Consumption** | 0.3A@ 110 Volts AC, 0.82A@ 24 Volts DC |
| **Protection** | Overload Current Protected, Reverse Polarity Protected |
| **Mechanical Construction** |
| **Enclosure** | Aluminum / Steel Military Grade |
| **Protection Class** | IP30 |
| **Dimensions** | 440 x 44 x 331 mm (W x H x D) |
| **Weight** | 4.80 kg |
| **Mounting** | Rack Mounting |
| **Environmental Limits** |
| **Operating Temperature** | Extended: -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 ACE EN 55032 Class A |
| **EMS** | IEC61000-4-2 (ESD)IEC61000-4-3 (RS)IEC61000-4-4 (EFT)IEC61000-4-5 (Surge)IEC61000-4-6 (CS)IEC61000-4-8 (Magnetic Field) |
| **Free Fall** | IEC60068-2-32 |
| **Shock** | IEC60068-2-27 |
| **Vibration** | IEC60068-2-6 |
| **Green** | RoHS Compliant |
| **Certifications** | 61000-6-2 / FCC / IEEE / ITUT61000-6-4 / NEMA TS-2 |
| **MTBF** | >125,000 hours |
| **Warranty** | 5 Years / Limited Lifetime |

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| **Note from DYMEC Development.** **In a continuing effort of improvement and updated technology, product specifications are subject to change without notice.** |
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|  **Dimensions (unit = mm)** |
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|  **Ordering Information** |
| **KY-ESG2404-8C-AC****DYMEC ESG****Series** | 16+8+4 Port, Un-Managed, Industrial Gigabit Ethernet Switch - 16 x 10/100/1000T(x) + 4 x 1000F(x) SFP Slots + 8x Combo Ports - Operating Temperature: -40°C ~ 80°C (-40°F ~ 176°F) - 2 x AC Power Inputs19” Rack or Shelf Mount |
| **KY-ESG2404-8C-AD****DYMEC ESG****Series** | 16+8+4 Port Industrial Gigabit Ethernet Switch - 16x 10/100/1000T(x) + 4x 1000F(x) SFP Slot + 8x Combo Ports - Operating Temperature: -40°C ~ 80°C (-40°F ~ 176°F) - 1x AC Power and 1x DC Power Input19” Rack or Shelf Mount |
| **KY-ESG2404-8C-DC****DYMEC ESG****Series** | 16+8+4 Port Industrial Gigabit Ethernet Switch - 16x 10/100/1000T(x) + 4x 1000F(x) SFP Slot + 8x Combo Ports - Operating Temperature: -40°C ~ 80°C (-40°F ~ 176°F) - 2x DC Robust Isolation Power Inputs19” Rack or Shelf Mount |



**DYMEC – Temperature Hardened, American Made, Ruggedized, Industrial Ethernet Switches / Routers for: SCADA, ITS, Transportation, Automation, Power Utilities, Edge Computing, AI and Industrial Control Systems.**