

# Opal8GV

## 8G Port Entry-level Unmanaged DIN-Rail Switch



### » Overview

Opal8GV series are Kyland produced unmanaged 8-port switches, providing 2 100/1000 SFP port and 6 10/100/1000Base-TX ports. Opal8GV supports wide operating temperature range from -40°C to 75°C, metal housing with IP30 protection class and redundant power inputs, becoming an economical and harsh-environment-resistant solution for video surveillance applications.

### » Key Features

8 10/100/1000Base-TX ports; 2 100/1000 SFP, 6 10/100/1000Base-TX ports

Operating temperature is -40°C to 75°C

IP30 protection class

EMC level 3

CE, FCC

### » Product Specifications

#### > Technical Specification -Standard

IEEE802.3

IEEE802.3u

IEEE802.3ab

IEEE802.3z

IEEE802.3x

IEEE802.1p

IEEE 802.3az

### **-Switch Properties**

MAC Table 8K

Packet Buffer 4Mbit

Packet Forwarding Rate 1.5Mpps

Switching Delay <15 $\mu$ s

Jumbo Frame 9K

Storm control

Multicast/Broadcast/Flooding storm

Flow control

802.3x (full duplex) and Back-Pressure (half duplex)

QoS

IEEE 802.1p

### **-Interface**

Port

100/1000Base-X, SFP port

10/100/1000Base-T(X), RJ45 port

Alarm Contact 6-pin 3.81mm-spacing plug-in terminal block, Max 1A@24VDC

### **-LED**

Alarm LED: Alarm

Power LED: PWR1,PWR2

Interface LED: Link/ACT,Speed

### **-DIP-Switch**

1: Switch of Broadcast storm rate limit

2: Switch of the power alarm

### **-Power Requirements**

Power Input 12-58VDC

Power Terminal 6-pin 3.81mm-spacing plug-in terminal block

Power Consumption <8.5W

Reverse protection Support

Redundancy protection Support

### **-Physical Characteristics**

Housing Metal

Cooling Natural convection, fanless

Protection Class IP30

Dimension 39mmx117.8mmx96.9mm(W×H×D)

Weight <0.5Kg

Mounting DIN-Rail or Panel Mounting

### **-Environmental Limits**

Operating Temperature -40°C ~ +75°C

Storage Temperature -40°C ~ +85°C

Ambient Relative Humidity 5 ~ 95% (non-condensing)

### **-Warranty**

MTBF >25years

Warranty 5 years

### **-Approvals**

CE,FCC

### **-Industry Standards**

EMI

FCC CFR47 Part 15,EN55022/CISPR22,Class A

EMS

IEC61000-4-2(ESD) ±6kV(contact),±8kV(air)

IEC61000-4-3(RS) 10V/m(80MHz ~ 2GHz)

IEC61000-4-4(EFT) Power Port:±2kV;Data Port:±1kV

IEC61000-4-5(Surge)

Power Port:±1kV/DM,±2kV/CM;Data Port:±2kV

IEC61000-4-6(CS) 10V(150kHz ~ 80MHz)

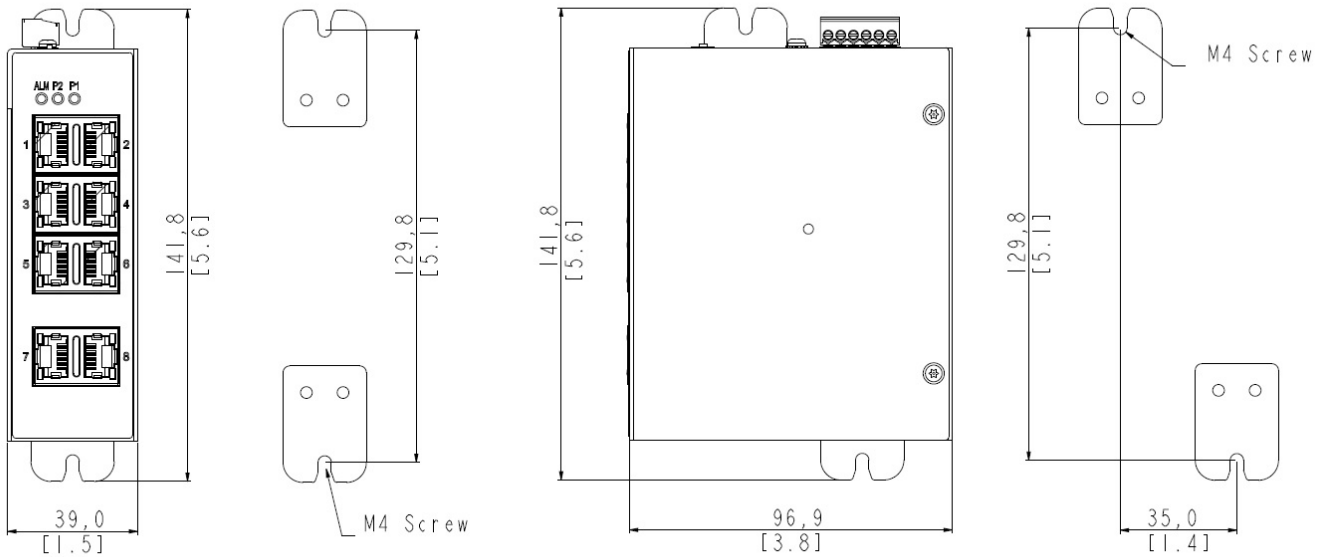
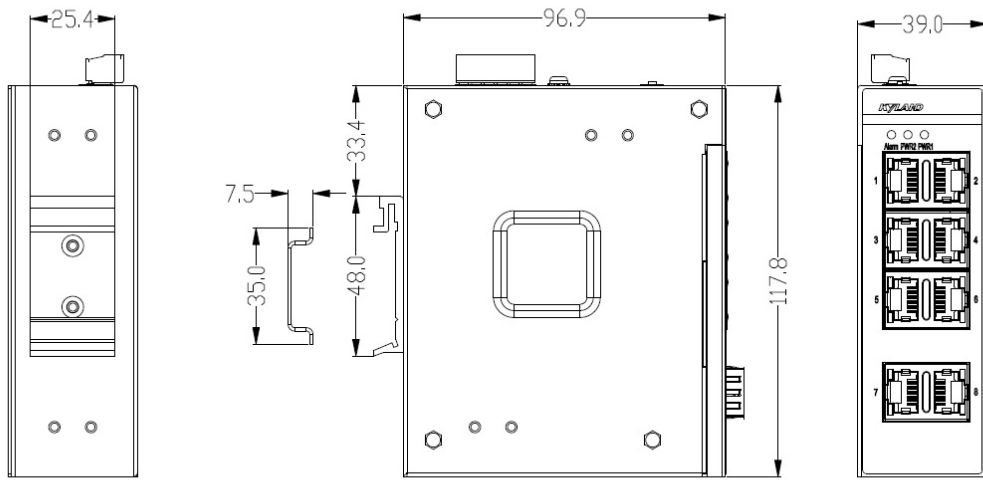
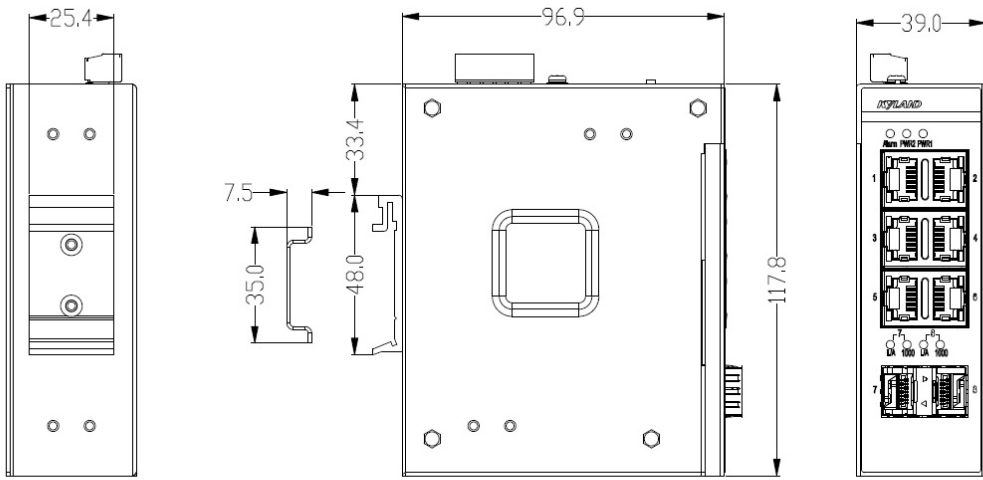
Machinery :

IEC60068-2-6 (Vibration)

IEC60068-2-27 (Shock)

IEC60068-2-32 (Free Fall)

**» Mechanical Drawing**



## Ordering Information

Opal8GV-2GX6GE-L15-L15: 2 x 100/1000Base-X, SFP; 6 x 10/100/1000Base-T(X) ports, 12-58VDC,

redundant power inputs

Opal8GV-8GE-L15-L15: 8 x 10/100/1000Base-T(X) ports, 12-58VDC, redundant power inputs

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