

Opal10GS

8/10 Port Entry-level Unmanaged DIN-Rail PoE Switch



» Overview

Opal10GS series are unmanaged 8/10-port PoE switches, providing 8 10/100/1000Base-TX PoE ports compliant with IEEE802.3at/af, and 2 1000M SFP ports which are optional. While transmitting data over the cable, each PoE port can output 30 watts to PoE terminals directly, eliminating the need for additional wiring. Opal10GS 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 the ITS, video surveillance and other automation applications.

» Key Features

8 10/100/1000Base-TX PoE ports compliant with IEEE802.3at/af, and 2 1000MSFP ports which are optional

Support PD detection and PD classification

Operating temperature is -40°C to 75°C

IP30 protection class

CE, FCC

» Product Specifications

>Technical Specification

-Technical Parameter

Standard IEEE 802.3i, IEEE 802.3u, IEEE 802.3af, IEEE 802.3at

-Switch Properties

MAC Table 16K

Packet Buffer 2Mbit

Packet Forwarding Rate 14.8Mpps

Switching Delay <10 μ s

Jumbo Frame 10KByte

-Interface

Port 1000Base-X SFP port

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

802.3af/at PoE Port Each PoE port provides max 30W feed power

V+ for pin 1, 2 and V- for pin 3,6(End-Span PSE)

-LED

LEDs on Front Panel Power LED:PWR1,PWR2

Interface LED:Link/ACT,Speed(Copper port GE3-GE10/GE1-GE8);Link/ACT(SFP port GX1-GX2)

PoE Status LED: POE(GE3-GE10/GE1-GE8)

-Power Requirement

Power Terminal 4-pin 5.08mm-spacing plug-in terminal block

PoE overload protection Support

Reverse protection Support

Redundancy protection Support

-Physical Characteristics

Housing Metal

Cooling Natural convection, fanless

Protection Class IP30

Dimension 42mm \times 136mm \times 121mm(W \times H \times D)

Weight <0.45Kg

Mounting DIN-Rail Mounting

-Environmental Limit

Operating Temperature -40 $^{\circ}$ C ~ +75 $^{\circ}$ C

Storage Temperature -40°C ~ +85°C

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

-Warranty

MTBF

2GX8GP:

L16: 1463833h

L5: 1331573h

8GP:

L16: 1535103h

L5: 1812547h

Warranty 5 years

-Certificates

CE, FCC (pending)

-Industrial Standard

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

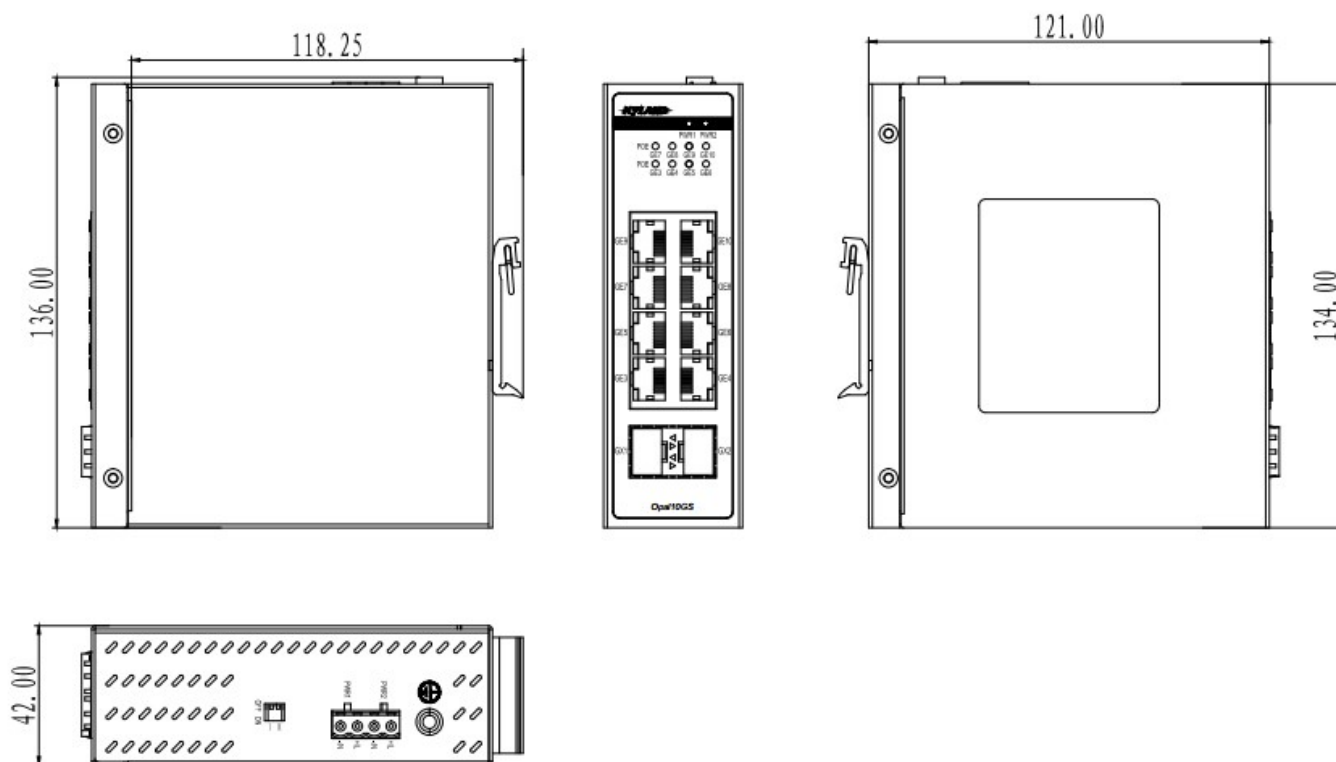
IEC61000-4-6(CS) 10V(150kHz ~ 80MHz)

Machinery IEC60068-2-6 (Shock)

IEC60068-2-27 (Vibration)

IEC60068-2-32 (Free Fall)

» Mechanical Drawing



» Ordering Information

Ordering Information

Product Models	Opal10GS-Ports-PS1-PS2
Code Definition	Ordering Code
Ports	2GX8GP=1×1000Base-X SFP port; 8x10/100/1000Base-T(X) PoE ports 8GP=8x10/100/1000Base-T(X) PoE ports
PS1-PS2: (Redundant Power Inputs)	L5-L6=12-36VDC, redundant power inputs L7-L8=12-57VDC, redundant power inputs

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