

Opal8A

8 port smart unmanaged DIN-Rail switches



» Overview

Opal8A unmanaged 8-port switch is specially designed for automation control applications. It is equipped with 8 10/100Base-TX RJ45 ports. Opal8A supports redundant power inputs, metal housing with IP30 protection class, Support QoS function, meet the requirements of different industrial applications, allocate network bandwidth effectively, ensures a reasonable utilization of resources thus ensuring fast and reliable data transmission in harsh industrial environments.

» Key Features

8 10/100Base-T(X) ports

Support QoS function

IP30 protection class □

CE, FCC, UL61010 (pending)

» Product Specifications

> Technical Specification

- Technical Parameter

Standard

IEEE 802.3i (10Base-T)

IEEE 802.3u (100Base-TX和100Base-FX)

- Switch Properties

MAC Table 16K

Packet Buffer 4Mbit

Packet Forwarding Rate 1.2Mpps

Switching Delay <10 μ s

- Interface

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

- LED

LEDs on Front Panel Power LED: PWR1, PWR2

Interface LED: Link/ACT, Speed (RJ45 port); Link/ACT (Fiber port)

- DIP-Switch

Enable/Disable broadcast storm protection

Enable/Disable QoS

- Power Requirements

Power Input: 12-48VDC/18-30VAC

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

Power Consumption <3.0W

Overload Protection Support

Reverse Protection Support

Redundancy Protection Support

-Physical Characteristics

Housing Metal

Cooling Natural convection, fanless

Protection Class IP30

Dimension 46mm×115mm×68mm(W×H×D)

Weight 0.25Kg

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)

-Quality Assurance

MTBF 1690616h

Warranty 5 years

-Approvals

UL61010, CE, FCC (pending)

-Industry 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)PowerPort:±1kV/DM,±2kV/CM;Data Port:±2kV

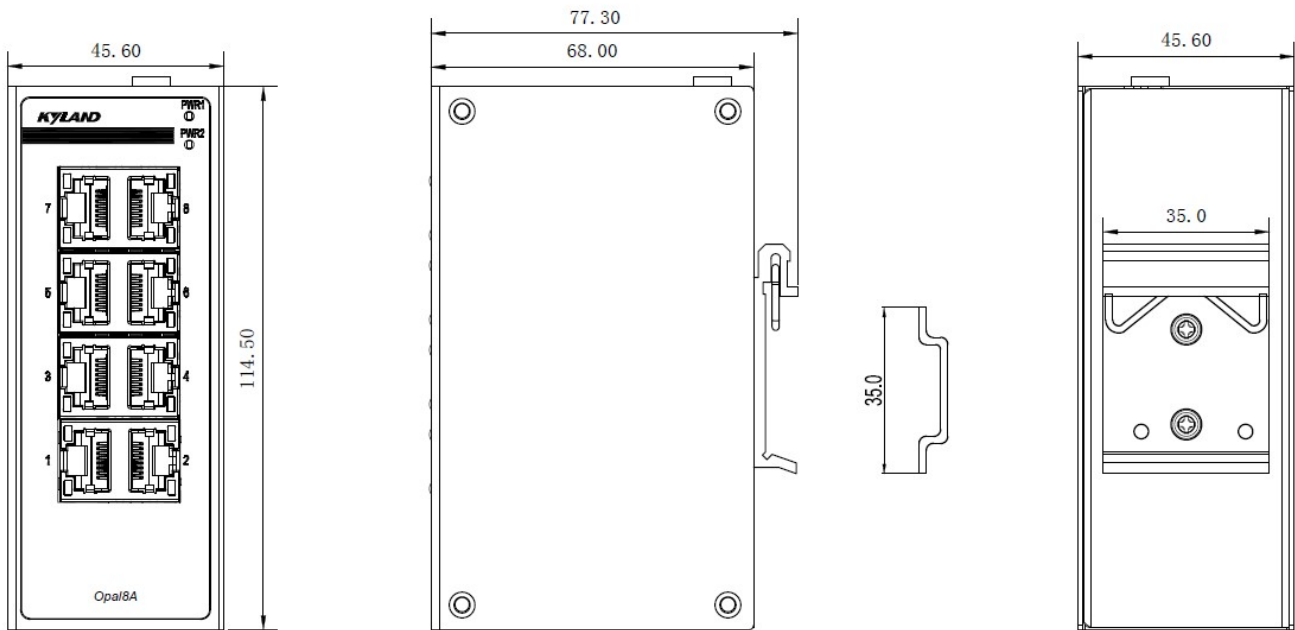
IEC61000-4-6(CS) 10V(150kHz ~ 80MHz)

Machinery

IEC60068-2-6 (Vibration)

IEC60068-2-27 (Shock)

IEC60068-2-32 (Free Fall)



» Ordering Information

Product Model Opal8-Ports-PS1-PS2
 Ports 8T=8 10/100Base-T(X) RJ45 ports
 PS1-PS2: LV-LV=12-48VDC/18-30VAC, redundant power inputs

Accessories

DT-BGAZ-10	Panel for Panel mounting
DT-FCZ-RJ45-01	Dustproof cover for RJ45 port

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