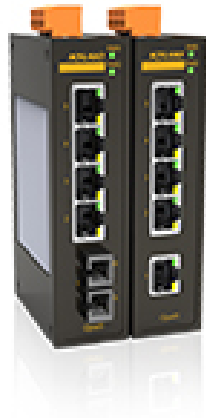


Opal5

5 Port Entry-level Unmanaged DIN-Rail Switches



» Overview

Opal5 unmanaged 5-port switch is specially designed for automation control applications. It is equipped with one fast Ethernet fiber/RJ45 optional port and 4 10/100Base-TX RJ45 ports. Opal5 supports SC/ST/SFP type fiber ports, redundant power inputs, metal housing with IP30 protection class, thus ensuring fast and reliable data transmission in harsh industrial environments. Opal5 provides both standard (-10°C to 60°C) operating temperature range model and wide (-40°C to 75°C) operating temperature range models to meet different applications.

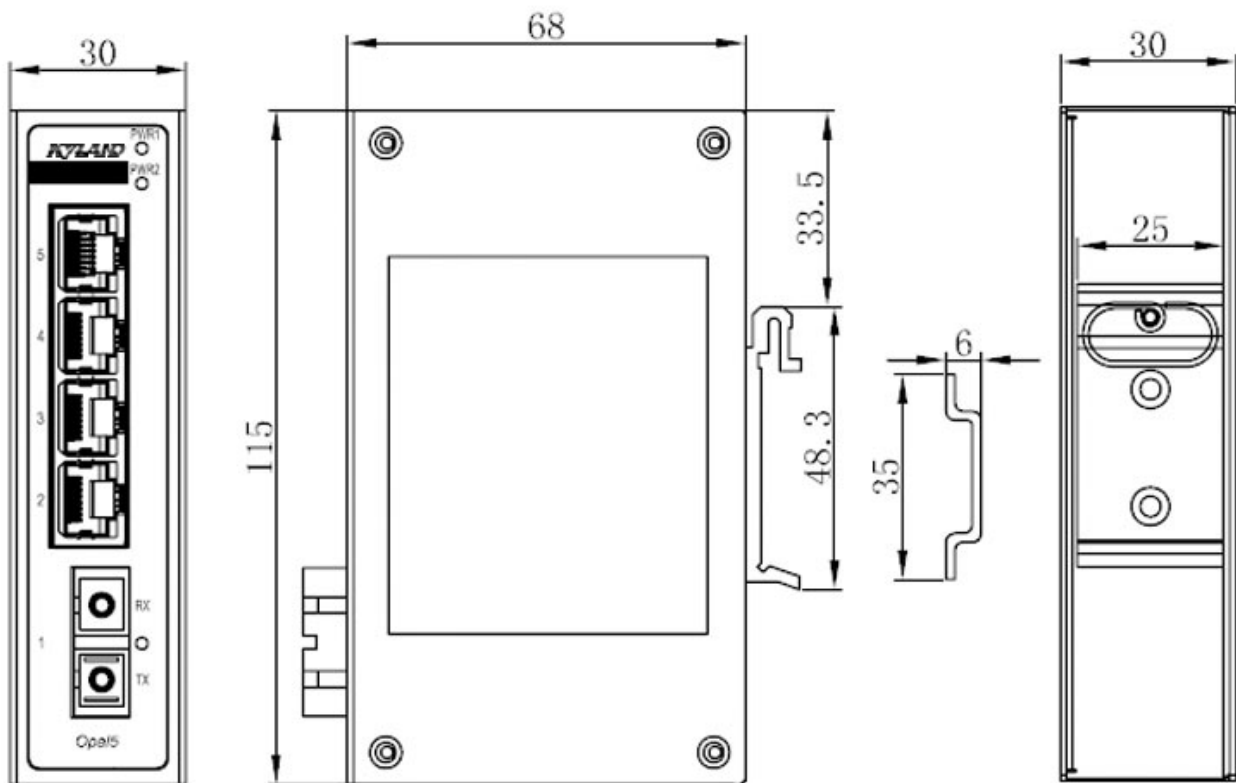
» Key Features

- 1 Fast Ethernet fiber/RJ45 optional port, 4 10/100Base-T(X) ports
- Both standard and wide operating temperature models are available
- IP30 protection class
- UL508, Class I Div 2, ATEX Zone 2, IECEx, CE, FCC

» Product Specifications

Technical Specification	Standard	IEEE 802.3i (10Base-T) IEEE 802.3u (100Base-TX and 100Base-FX)
	Switch Properties	MAC Table: 2K Packet Buffer: 1Mbit Packet Forwarding Rate: 0.75Mpps Switching Delay: <10 μ s
	Interface	Fast Ethernet Port: 100Base-FX, SM/MM, SC/ST connector 100Base-X, SFP slot 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
	Power Requirements	Power Input: 12-48VDC/18-30VAC Power Terminal: 4-pin 5.08mm-spacing plug-in terminal block Power Consumption: <3.4w Overload Protection: Support Reverse Protection: Support Redundancy Protection: Support
	Physical Characteristics	Housing: Metal Cooling: Natural convection, fanless Protection Class: IP30 Dimension: 30mm \times 115mm \times 68mm (W \times H \times D) Weight: 0.2Kg Mounting: DIN-Rail or Panel Mounting
	Environmental Limits	Operating Temperature: -10 $^{\circ}$ C to +60 $^{\circ}$ C (Opal5-E) -40 $^{\circ}$ C to +75 $^{\circ}$ C Storage Temperature: -40 $^{\circ}$ C to +85 $^{\circ}$ C Ambient Relative Humidity: 5-95% (non-condensing)
	Quality Assurance	MTBF: 4,549,538 hrs Warranty: 5 years
	Approvals	UL508, Class I Div 2, ATEX Zone 2, IECEx, CE, FCC
Industry Standard	EMI: FCC CFR47 Part 15, EN55022/CISPR22, Class A EMS: IEC61000-4-2(ESD): \pm 6kV (contact), \pm 8kV (air) IEC61000-4-3(RS): 10V/m (80MHz–2GHz) IEC61000-4-4(EFT): Power Port: \pm 2kV; Data Port: \pm 1kV IEC61000-4-5(Surge): Power Port: \pm 1kV/DM, \pm 2kV/CM; Data Port: \pm 1kV 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

Opal5-X-Ports-Connector-PS

X	Operating temperature range
E	-10 to +60°C operating temperature
None	-40 to +75°C operating temperature
Ports	
5T	5 10/100Base-T(X) RJ45 ports
1S4T	1x100Base-FX, single mode fiber port; 4x10/100Base-T(X) RJ45 ports
1M4T	1x100Base-FX, multi mode fiber port; 4x10/100Base-T(X) RJ45 ports
1SFP4T	1 100Base-X, SFP slot; 4 10/100Base-T(X) RJ45 ports
Connector	100M fiber port specifications
SC05	SC connector, multi-mode, 1310nm, 5km
ST05	ST connector, multi-mode, 1310nm, 5km
SC40	SC connector, single-mode, 1310nm, 40km
ST40	ST connector, single-mode, 1310nm, 40km
SC60	SC connector, single-mode, 1310nm, 60km
SC80	SC connector, single-mode, 1550nm, 80km
None	No 100M fiber port
PS	
LV-LV	12-48VDC/18-30VAC, redundant power inputs

Accessories

100Base-X SFP module

DT-BGAZ-13

DT-FCZ-RJ45-01

Please refer to the 100Base-X SFP module ordering list

Panel for Panel mounting

Dustproof cover for RJ45 port

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