

# OPL-IS8M2+LB-10G0416(PB)-Z

Industrial Managed (PoE) Switch 16x10/100/1000M RJ45, 4x10G SFP+



## Общие сведения

OPL-IS8M2+LB-10G0416(PB)-Z - промышленный управляемый Ethernet-коммутатор с портами 4x1000Base-X, 16x10/100/1000Base-T, поддержкой 802.3af/at PoE/PoE++, с безвентиляторной схемой охлаждения, широким диапазоном температур рабочей среды, высоким уровнем защиты, грозозащитой, интегрированной коммутацией, безопасностью и различными расширенными протоколами. Технология многокольцевой защиты (ERPS) значительно повысила гибкость сети и увеличила надежность и безопасность промышленной сети. Она может удовлетворить требования к развертыванию в железнодорожном транспорте, безопасном городе, интеллектуальном транспорте, наружном мониторинге и других суровых условиях.

## Features

- Input Voltage: DC12-58V(non-PoE), DC48-58V(PoE)
- Operating Temperature: -40°C~+75°C(non-PoE), -40°C~+70°C(PoE)
- Shell: IP50 protection, fan-less design
- Anti-static: 8KV-15KV

## Specifications

Fixed Port	16x10/100/1000M RJ45, 4x10G SFP+
Management Port	Support console
Power Interface	Phoenix terminal, redundant dual power supply
LED Indicators	PWR, Link/ACT LED
<b>Cable Type &amp; Transmission Distance</b>	
Twisted-pair	0-100m (CAT5e, CAT6)
Single Mode Optical Fiber	20/40/60/80/100KM
Multimode Optical Fiber	550m
<b>Network Topology</b>	
Ring Topology	Support
Star Topology	Support
Bus Topology	Support
Tree Topology	Support
Hybrid Topology	Support
<b>Electrical Specifications</b>	
Input Voltage	DC12-58V(non-PoE)/DC48-58V(PoE)
Total Power Consumption	<26W(non-PoE), <386W(PoE)
<b>PoE Support</b>	
PoE Port	1-16

PoE Protocol	802.3af, 802.3at
Pin Assignment	1,2,3,6
PoE Management	Support
<b>PoE++ Support</b>	
PoE Port	1-16
PoE Protocol	802.3af, 802.3at, 802.3bt (1-2 & 15-16 Support 60W)
Pin Assignment	1245+ 3678-
PoE Management	Support
<b>Layer 2 Switching</b>	
Switching Capacity	128G
Packet Forwarding Rate	101.2Mpps
MAC Address Table	16K
VLAN	Support 4K
Buffer	12M
Forwarding Delay	<10us
MDX/MIDX	Support
Flow Control	Support
Jumbo Frame	Support 10Kbytes
Spanning Tree	Support STP/RSTP/MSTP
Ring Protocol	Support ERPS
Link Aggregation	Support 12 group
Multicast	Support IGMP Snooping
Port Mirroring	Support
Storm Control	Support
Interface Counters	Support
QINQ	Support

802.1X	Support
MAC Authentication	Support
Port Isolation	Support
Rmon	Support
NTP Client	Support
DHCP Client	Support
DHCP Snooping	Support
PING/Tracert Detection	Support
Dying Gasp	Support
DDM	Support
Port Security	Support
IP Source Guard	Support
Device Scan	Support
<b>Layer 3 Function</b>	
Static Routing	Support 1K static routes
ARP	ARP entry aging
DHCP Server	Support
<b>Convergence</b>	
	Support ACL 500
	Support IP standard ACL
ACL	Support MAC expand ACL
	Support IP expand ACL
	Support QoS re-marking, priority mapping
	Support SP, WRR queue scheduling
QoS	Support egress rate-limited, egress rate-limit
	Support Policy-based QoS

**Management**

CLI	Support
Console	Support
Telnet/SSH	Support
WEB Management	Support
Management IP	Support IPV4/IPV6
SNMP	Support SNMPv1/v2c/v3
User Management	Support
System Log	Support
Configuration File Download/Upload	Support
Upgrade Firmware	Support

**Environment**

Operating Temperature	-40°C+75°C(non-PoE), -40°C+70°C(PoE)
Storage Temperature	-40°C+85°C
Relative Humidity	5%~95% (non-condensing)
Thermal Methods	Fan-less design
MTBF	100,000 hours

**Mechanical Dimensions**

Product Size	94*104*143mm
Installation Method	DIN-rail
Weight	1KG

**EMC & Ingress Protection**

IP Level	IP50
Surge Protection of Power	IEC 61000-4-5 Level X(6KV/6KV) (8/20us)
Surge Protection of Ethernet Port	IEC 61000-4-5 Level 4(4KV/4KV) (10/700us)
RS	IEC 61000-4-3 Level 3(10V/m)

EFI	IEC 61000-4-4 Level 3(1V/2V)
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CS	IEC 61000-4-6 Level 3(10V/m)
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PFMF	IEC 61000-4-8 Level 4(30A/m)
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DIP	IEC 61000-4-11 Level 3(10V)
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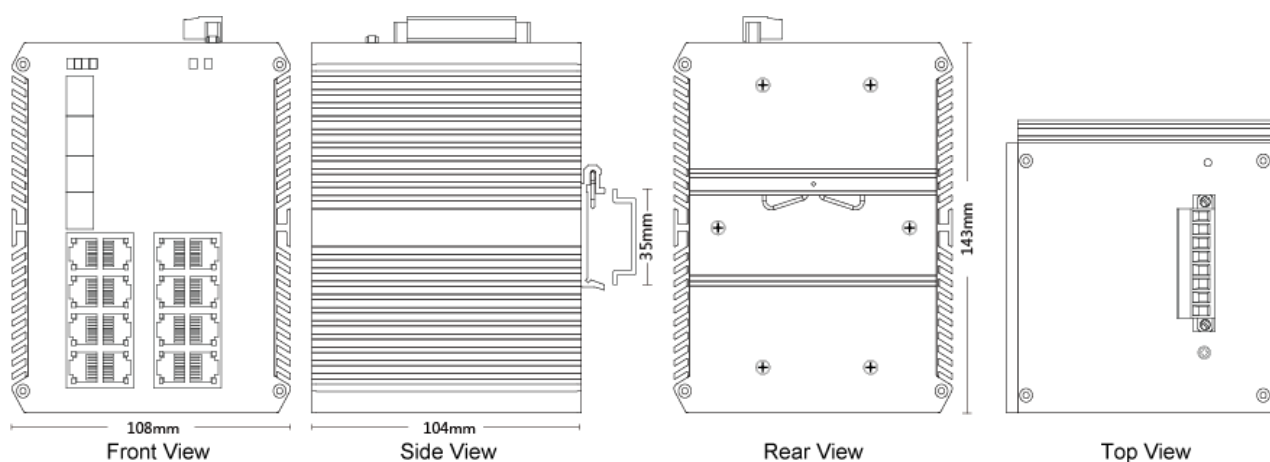
ESD	IEC 61000-4-2 Level 4(8K/15K)
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Free Fall	0.5m
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### Certification

Certificates	CE/FCC/RoHS
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## Dimension



## Информация для заказа

### Модель

### Описание

**OPL-IS8M2+LB-10G0416-Z**

Industrial Managed Ethernet Switch  
16x10/100/1000Mbps RJ45, Uplink 4x10G SFP+

**OPL-IS8M2+LB-10G0416P-Z**

Industrial Managed PoE Switch  
16\*10/100/1000Mbps RJ45 PoE, Uplink 4x10G SFP+

**OPL-IS8M2+LB-10G0416PB-Z**

Industrial Managed PoE Switch  
16x10/100/1000Mbps RJ45 PoE ([Port 1-2, 15-16 BT60W](#)), Uplink 4x10G SFP+