Key Features & Benefits

- 24 Gigabit SFP Fiber Optic Ports, 4 Gigabit RJ45 Ports, 4 10 Gb SFP Fiber Optic Uplink Ports

- Support full duplex based on IEEE802.3x and half duplex based on backpressure.

- Support STP (802.1D) & RSTP (802.1w)

- L2+, with high performance management system, including VLAN based on port, VLAN based on 802.1Q, QOS, IGMP Snooping, RSTP, Broadcast Storm Restraint, Port Aggregation, Port mirroring, Port management, SNMP, RADIUS, and NTP etc.

- Support G.8032 industral fast Ring network ERPS Protocol network convergence time ≤ 20ms

- Support static convergence and dynamic convergence, effectively increases link bandwidth, achieves load balancing, link backup, and improves link reliability.

- Packet Buffer Memory: 32Mb

- MAC Address Table: 32K

- Support dynamic/ static binding for IP, MAC, VLAN, Port and other elements users' definition

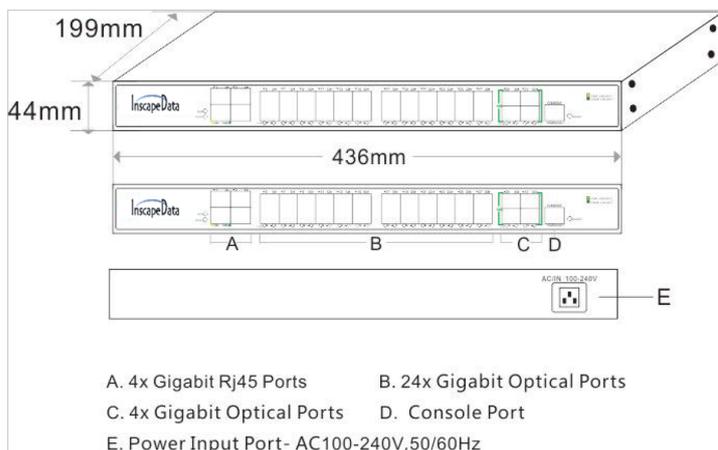- Optical Standard: 100BASE-FX, 1000BASE-X

LinkPower™ OFS2444L2-10 32-Port L2+ Fiber Optic Switch

LinkPower™ OFS2444L2-10 32 h ˙Layer 2+ Gigabit SFP Fiber Optic Switch

Inscape Data's LinkPower™ OFS2444L2-10 is a 32-Port Layer 2+ Gigabit SFP Fiber Optic Switch with 24 100/1000M SFP fiber optic ports, 4 10/100/1000M RJ45 ports, and 4 1/10G (SFP+) uplink ports. OFS2444L2-10 offers L2+ full network management functions, supports static routing full line speed forwarding, complete security protection mechanism, powerful ACL/QoS strategy, and rich VLAN functions, and it is easy to manage and maintain. OFS2444L2-10 supports multiple network redundancy protocols STP/RSTP/MSTP (<50ms) and (ITU-T G.8032) ERPS to improve link backup and network reliability. When one way network fails, communication can be recovered quickly to ensure uninterrupted communication of important applications. OFS2444L2-10 is capable of to meet the demand of today's stringent high bandwidth network application needs, through the Web network management mode, port traffic control, VLAN partition, SNMP and other features of the switch configuration.

System Configurations

A. 4x Gigabit Rj45 Ports   B. 24x Gigabit Optical Ports
C. 4x Gigabit Optical Ports   D. Console Port
E. Power Input Port- AC100-240V,50/60Hz

199mm
44mm
436mm

Applications

- Smart City
- IP Video Surveillance
- Campus Network
- Border Security Surveillance
- Municipal Network

- Energy & Refineries
- Hospitality Network
- Hotel Resort Network
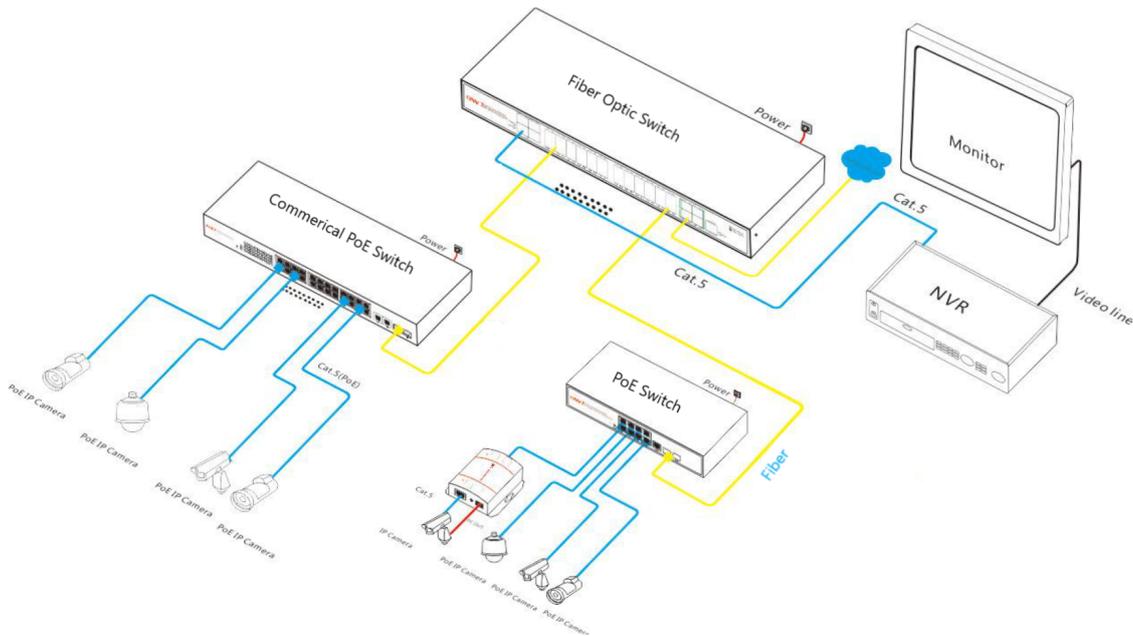- Hotspot Integra on
- VOIP Service
- Traffic Monitoring

Product Specifications

Model	OFS2444L2-10
Interface	24*100/1000M SFP ports 4*10/100/1000M RJ45 ports 4*1/10G(SFP+)Ports 1*Console Port (115200,N,8,1)
Type of Network Switch	Layer 2+
Network Protocol	IEEE802.3 10BASE-T； IEEE802.3i 10Base-T； IEEE802.3u 100Base-TX； IEEE802.3ab 1000Base-T； IEEE802.3z 1000Base-LX/SX/CX； IEEE802.3ae 10GBase-SR/LR； IEEE802.3x
Ethernet Port Feature	Support full/half duplex MDI/MDI-X self-adaption
SFP Port Characteristic	Gigabit /10 Gigabit SFP optical fiber interface, default matching optical modules, need to buy separately, (optional single-mode/multi-mode, single fiber / dual fiber module, LC)
Forwarding Mode	Store and Forward (Full Wire Speed)
Switching Capacity	598Gbps
Forwarding Rate@64byte	131Mpps
MAC Address Table	32K
Buffer Memory	32M
Twisted Pair Transmission	10BASE-T : Cat3,4,5 UTP(≤100 meter) 100BASE-TX : Cat5e or later UTP(≤100 meter) 1000BASE-T : Cat6 or later UTP(≤100 meter)
Optical cable	Multi-mode : 850nm 0～300M（10G） ， Single-mode: 1310nm 0～40KM ， 1550nm 0～120KM。
Total PWR / Input Voltage	60W/ (AC100-240V)
Power Consumption	standby：＜20W；full load：＜40W
LED	Power indicator: PWR (yellow),System indicator: SYS(yellow),Network indicator: Link/Act (yellow), Fiber port :L/A(green)
Reset switch	Support one key to restore factory settings
Power Supply	Built-in power supply : AC：100～240V 50-60Hz 1A
Operation TEMP / Humidity	-20～+55°C；5%～90% RH Non condensing
Storage TEMP / Humidity	-40～+80°C；5%～95% RH Non condensing
Dimensio（L*W*H)	440*225*44mm (17.30x8.86x7.31 Inch)
Net /Gross Weight	＜2.2kg (4.8LB) / ＜3.2kg (7.05LB)
Installation Method	Desktop tape. 19 inch 1U cabinet installation
Lightning protection / protection level	Port Lightning Protection 4KV 8/20us； Protection Level: IP30
Certification	3C，CE mark commercial,CE/LVD EN60950,FCC Part 15 Class B, RoHS
Warranty	3 Years

Interface	IEEE802.3x flow control (full duplex) Broadcast storm suppression for port rate support speed limit for incoming and offline message traffic, with a minimum particle size of 64Kbps. Temperature protection setting Energy saving configuration of port EEE Ethernet
Layer 2+ Functions	L2+ network management function layer3 software is non line speed forwarding, supporting different network segments communication between different VLAN Static routing / default routing, 128 maximum entries ARP protocol, 1024 maximum entries
VLAN	Support port based VLAN (4K), IEEE802.1q Support protocol based VLAN Support Access, Trunk, Hybrid three types of port configuration Support QinQ configuration
Port Aggregation	Support LACP Support static polymerization Support the largest 8 aggregation groups, each aggregation group supports 8 ports.
Spanning Tree	STP (IEEE802.1d) RSTP (IEEE802.1w) MSTP (IEEE802.1s)
Industrial Ring Network Protocol	Support G.8032 (ERPS), support 255 loops at most, and supports 1024 devices per ring. The self healing time of the ring network is less than 20ms
Multicast	Support IGMP Snooping V1/V2 and support 1024 multicast groups at most. Support the user's quick departure mechanism Support MLD Snooping V1/V2 Support multicast VLAN
Port Mirroring	Bi-directional traffic mirroring supporting the basic port
QoS	Diff-Serv QoS Each port supports 8 output queues Support 802.1p/DSCP priority mapping Support queue scheduling mechanism (SP, WRR, SP+WRR) priority tag Mark/Remark stream based packet filtering Support for stream based redirection Support flow based speed limit

ACL	Support L2 to L4 packet filtering function, can match the first 80 bytes of the message, provide based on the source MAC address, destination MAC address, source IP address, destination IP address, IP protocol type, TCP/UDP port, TCP/UDP port range, VLAN and other definition ACL. Support ACL based on port and VLAN
Security Characteristics	Support user grading management and password protection Support IEEE802.1X authentication / centralized MAC address authentication Support AAA & RADIUS authentication Support the number of MAC address learning restrictions Support MAC address black hole Support SSH 2 to provide secure passwords for user login. Support SSL to ensure data transmission security Support port isolation Support the speed limit function of ARP message Support IP source address protection Support ARP intrusion detection function Support against DoS attacks Support port broadcast message suppression Support host data backup mechanism Binding capabilities of IP+MAC+VLAN+ ports
DHCP	DHCP Client DHCP Snooping
System Requirements	Web browser: Mozilla Firefox 2.5 or higher, Google browser chrome V42 or higher, Microsoft Internet Explorer10 or later; 5 types and above Ethernet cable; TCP/ IP, network adapter and network operating system (such as Microsoft Windows, Linux or Mac OS X) are installed on computers in the network.

Application