BCZW

16-Port 10/100/1000Mbps Industrial Managed Switch with 2 SFP Uplink

RING

IPv6/IPv4 ACL/QoS

MSTP RSTP

EXCLUSIVE 5YEAR WARRANTY

IES7521-16GE2GF-AC

Key Features:

Ports: Provide 16*10/100/1000Mbps PoE ports with 2*1000Mbps SFP

Self-adaption: RJ45 port supports 10/100/1000Mbps Auto MDI/MDIX

Industrial Installation: Rack mounting installation

Wide Application: Designed for Railway, traffic etc some Industrial environment

Surge protection: Protect the device from lighting surges and others electrical hazards
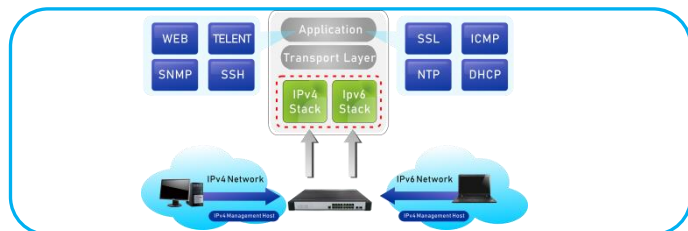
Managed: Support remote web managed,VLAN and storm control and IPV6 management etc.

Working Temperature: -40 to 85 degrees operating temperature

Considerate Design: IP40 Industrial design with dual power input

Environmentally Hardened Design

With the **IP40** metal industrial case which provides a high level of immunity against electromagnetic interference and heavy electrical surges,Being able to operate under the temperature range from **-40 to 85 degrees C**, the IES7521-16GE2GF-DC can be placed in almost any difficult environment.

Surge Protection Design

provides contact discharge of ±8KV DC and air discharge of ±15KV DC for Ethernet ESD protection. It also supports ±6KV surge immunity to improve product stability and protects users' networks from devastating ESD attacks, making sure the flow of operation does not fluctuate.
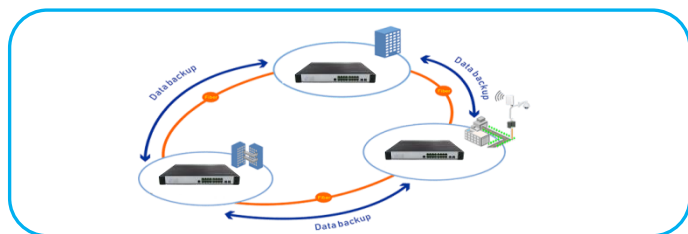
Cost-effective IPv6 Managed Gigabit Industrial Switch Solution

With layer 2+ managed Gigabit Switch, It provides IPv6/IPv4 management and built-in L2/L4 Gigabit Switching engine, and supports high-speed transmission of surveillance images and videos.

Comprehensive reliability mechanisms(ERPS)

Besides STP,RSTP, and MSTP, the IES7521 Series Managed PoE Switch supports enhanced Ethernet reliability technologies such as Ethernet Ring Protection Switching (ERPS), also referred to as G.8032. ERPS supports various services and allows flexible networking, helping customers build a network with lower OPEX and CAPEX.

IES7521-16GE2GF-AC

16-Port 10/100/1000Mbps Industrial Managed Switch with 2 SFP Uplink

Technical Datasheet

Model	IES7521-16GE2GF-AC	
Hardware Specifications		
Connector	16* 10/100/1000BASE-T RJ45 auto MDI/MDIX ports 2* 1000 Base-X SFP Slots 1 Console port	
LED Display	Power Indicator: PWR(green).Network Indicator: Link(yellow) PoE Working Indicator: PoE(green)	
Thermal Fan	Fanless Design	
Installation	Rack	
Switch Architecture	Store and Forward	
Transmission model	IEEE802.3X full-duplex and Backpressure half-duplex	
Switch Performance	Backplane bandwidth	48Gbps
	Packet forwarding rate	27Mpps
	MAC address	8k
Power requirement	AC 100V~260V	
ESD Protection	6KV ESD	
Dimension(W×D×H)	440mm x 280mm x 44.5mm(17.32in x 11.02in x 1.75in)	
Weight	<4kg	
Layer 2 Functions		
Port Mirroring	TX / RX / both Many-to-1 monitor	
Vlan	802.1Q tagged-based VLAN Up to 256 VLAN groups, out of 4094 VLAN IDs Voice VLAN;Protocol VLAN;Private VLAN (Protected port),GVRP	
Link Aggregation	IEEE 802.3ad LACP and static trunk Supports 8 groups of 8-port trunk	
Spanning Tree Protocol	STP, IEEE 802.1D Spanning Tree Protocol RSTP, IEEE 802.1w Rapid Spanning Tree Protocol MSTP, IEEE 802.1s Multiple Spanning Tree Protocol	
Industrial Ring	G.8032 (ERPS),Recovery time less than 50ms	
IGMP Snooping	IGMP (v2/v3) snooping IGMP querier Up to 256 multicast groups	
MLD Snooping	MLD (v1/v2) snooping, up to 256 multicast groups	
Access Control List	IPv4/IPv6 IP-based ACL / MAC-based ACL 8 mapping ID to 8 level priority queues	
QoS	--- Port number --- 802.1p priority --- 802.1Q VLAN tag --- DSCP field in IP packet Traffic classification based, strict priority and WRR	
Security	IEEE 802.1X port-based authentication Built-in RADIUS client to co-operate with RADIUS server RADIUS / TACACS+ user access authentication	

	IP-MAC port binding
	MAC filtering
	Static MAC address
	DHCP Snooping and DHCP Option82
	STP BPDU guard, BPDU filtering and BPDU forwarding
	DoS attack prevention
	ARP inspection
	IP source guard

Management Function

Basic Management Interfaces	Web browser / Telnet / SNMP v1, v2c, V3
	Firmware upgrade by HTTP / TFTP protocol through Ethernet network
	Remote / Local Syslog,System log,LLDP protocol ,SNTP
Secure Management Interfaces	SSH, SSL, SNMP
SNMP MIBs	RFC 1213 MIB-II
	RFC 1215 Generic Traps
	RFC 1493 Bridge MIB
	RFC 2674 Bridge MIB Extensions
	RFC 2737 Entity MIB (Version 2)
	RFC 2819 RMON (1, 2, 3, 9)
	RFC 2863 Interface Group MIB
	RFC 3635 Ethernet-like MIB

Environment
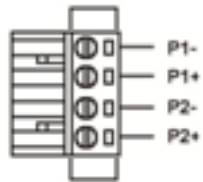
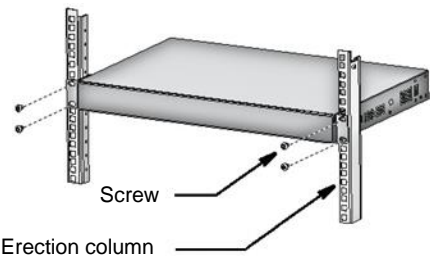|	
Safety	FCC Part15 Class A,CE.RoHs
Environment specification	Operating temperature: -40℃~75℃，operating humidity: 5％~95％
	Storage temperature: -40℃~75℃，storage humidity: 5％~95％

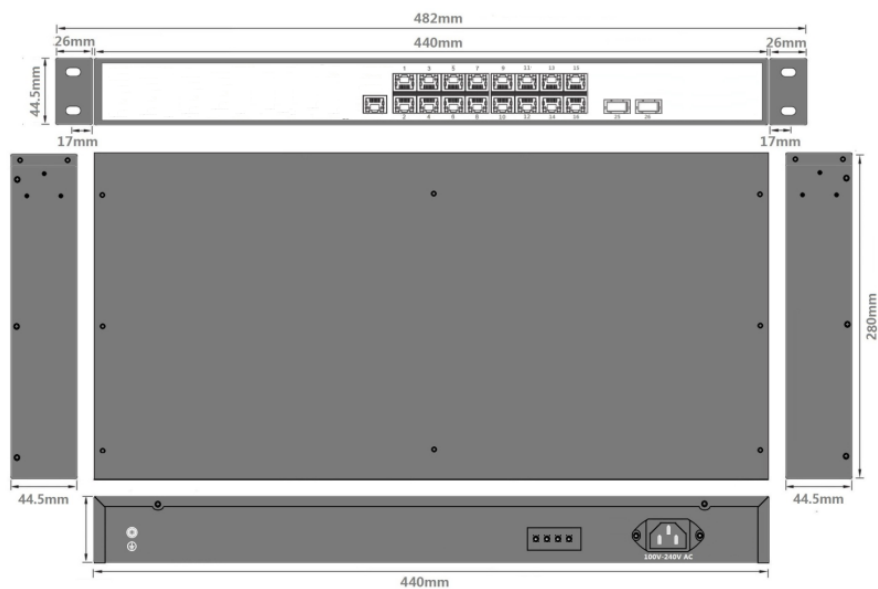## Installation Models

Power Terminal

- P1-
- P1+
- P2-
- P2+

- ◆ 4-pin 3.81mm-spacing plug-in terminal
- ◆ 100V-260V AC wide voltage input
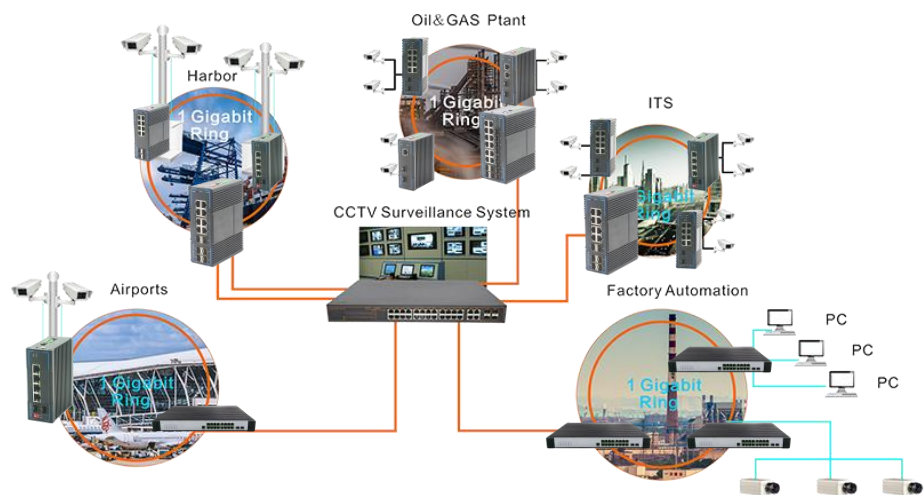- ◆ P1&P2 dual power input
- ◆ Reverse protection

Rack Mounting

Screw

Erection column

Mechanical Drawing

Applications

Ordering Information	
IES7521-16GE2GF-AC	16 Ports 10/100/1000Mbps Industrial Managed switch With 2 SFP,Rack mount Installation, IEEE802.3af/at