



Features:

- **Ports:** Provide 24*10/100/1000Mbps PoE ports with 4 Gigabit RJ45 and 4-1.25G SFP Combo
- **PoE Standard:** IEEE802.3af/at/bt Power over Ethernet (PoE) Compliant
- **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 lightning 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 IES7521-24PGE4GC-DC can be placed in almost any difficult environment.

Cost-effective IPv6 Managed Gigabit PoE Switch

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

Robust Layer 2 Features

The IES7510-24PGE4GC-DC can be programmed for advanced switch management functions, such as dynamic port link aggregation, Multiple Spanning Tree Protocol (MSTP), Layer 2/4 QoS, bandwidth control and IGMP/MLD snooping.

Surge Protection Design

provides contact discharge of $\pm 8KV$ DC and air discharge of $\pm 16KV$ DC for Ethernet ESD protection. It also supports $\pm 6KV$ surge immunity to improve product stability and protects users' networks from devastating ESD attacks, making sure the flow of operation does not fluctuate.

<p>Hardware Specifications</p>	<p>Connector: 24* 10/100/1000BASE-T RJ45 auto MDI/MDIX ports 4* 10/100/1000BASE-T RJ45 auto MDI/MDIX ports 4 1000 Base-X SFP Slots Combo</p> <p>Console: 1 Console port</p> <p>LED Display: Power Indicator: PWR(green).Network Indicator: Link(yellow)</p> <p>Thermal Fan: Fanless Design</p>
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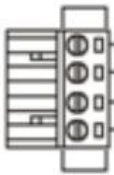
	<p>Installation: Din Rail</p> <p>Switch Architecture: Store and Forward</p> <p>Transmission model: IEEE802.3X full-duplex and Backpressure half-duplex</p> <p>Switch Performance: Backplane bandwidth 128Gbps Packet forwarding rate 47.62Mpps MAC address 16k</p> <p>Power requirement: DC 12V~72V dual power:</p> <p>Dimension(W×D×H): 440mm x 290mm x 44.5mm(17.32in x 11.42in x1.75in)</p> <p>Weight: <5kg</p>
<p>Power over Ethernet (PoE) Specifications</p>	<p>PoE Standard: IEEE 802.3af Power over Ethernet/PSE IEEE 802.3at Power over Ethernet Plus/PSE</p> <p>PoE Supply Type: 1/2(+), 3/6(-) End-span</p> <p>PoE Power Output: Per Port 52V DC, 300mA. max. 15.4 watts (IEEE 802.3af) Per Port 52V DC, 600mA. max. 30 watts (IEEE 802.3at)</p> <p>PoE Power budget: 400W optiona</p>
<p>Standards Conformance</p>	<p>Network standard: IEEE802.3i 10 BASE-T IEEE802.3u 100 BASE-TX IEEE802.3ab 1000BASE-T IEEE802.3x Flow Control IEEE802.3az EEE</p> <p>Stability Testing: FCC CFR47 Part 15, EN55022/CISPR22, Class A EMS: IEC61000-4-2 (ESD): ±8kV (contact), ±15kV (air) IEC61000-4-3 (RS): 10V/m (80MHz-2GHz) IEC61000-4-4 (EFT): Power Port: ±4kV; Data Port: ±2kV IEC61000-4-5 (Surge): Power Port: ±2kV/DM, ±4kV/CM; Data Port: ±2kV IEC61000-4-6 (CS): 3V (10kHz-150kHz); 10V (150kHz-80MHz) IEC61000-4-16 (Common mode conduction): 30V (cont.), 300V (1s) IEC 60068-2-32 (free fall) IEC 60068-2-27 (shock) IEC 60068-2-6 (vibration)</p>
<p>Layer 2 Functions</p>	<p>Port Mirroring: TX / RX / both Many-to-1 monitor</p> <p>Vlan: 802.1Q tagged-based VLAN Up to 256 VLAN groups, out of 4094 VLAN IDs 802.1ad Q-in-Q tunneling Voice VLAN;Protocol VLAN;Private VLAN (Protected port),GVRP</p>

	<p>Link Aggregation: IEEE 802.3ad LACP and static trunk Supports 8 groups of 8-port trunk</p> <p>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</p> <p>IGMP Snooping: IGMP (v2/v3) snooping IGMP querier Up to 256 multicast groups</p> <p>MLD Snooping: MLD (v1/v2) snooping, up to 256 multicast groups</p> <p>Access Control List: IPv4/IPv6 IP-based ACL / MAC-based ACL</p> <p>QoS: 8 mapping ID to 8 level priority queues --- Port number --- 802.1p priority --- 802.1Q VLAN tag --- DSCP field in IP packet Traffic classification based, strict priority and WRR</p> <p>PoE Management: Open or close port Standard POE scheduling management Power and current display Automatic restarting function of equipment dead machine Timing Support IP bindings restarting</p> <p>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</p>
Management Function	<p>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, SNMP</p>
Secure Management Interfaces	<p>SSH, SSL, SNMP</p>
SNMP MIBs	<p>RFC 1213 MIB-II RFC 1215 Generic Traps</p>

	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
Safety	FCC Part15 Class A,CE,RoHs
Environment specification	Operating temperature: -40°C~85°C, operating humidity: 5%~95% Storage temperature: -40°C~85°C, storage humidity: 5%~95%

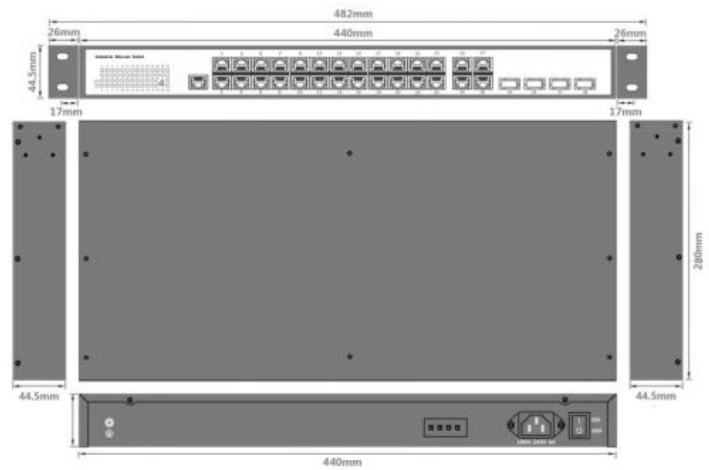
Installation Models

Power Terminal



- ◆ 4-pin 3.81mm-spacing plug-in terminal
- ◆ 12V-72VDC wide voltage input
- ◆ P1&P2 dual power input
- ◆ Reverse protection

Mechanical Drawing



Rack Mounting

