4-Port 10/100/1000Mbps Managed PoE Switch with 2 Gigabit SFP

RING | 802.3at PoE+ 802.3af | 6KV Lightning Protection

Key Features:

Ports: Provide 4*10/100/1000Mbps PoE ports and 2 *1.25Gbps SFP Uplink
PoE Standard: IEEE802.3af/at Power over Ethernet (PoE) Compliant
Self-adaption: RJ45 port supports 10/100/1000Mbps Auto MDI/MDIX
Managed: Support simple web managed,VLAN,Qos,PoE,STP,Bandwidth Control and etc.
Wide Application: Designed for Wifi AP and IP Security camera.VoIP etc
Surge protection: Protect the device from lighting surges and others electrical hazards
Working Temperature: -40 to 75 degrees operating temperature
Considerate Design: IP40 Industrial design with dual power input

Industrial Toughness & Wide Temp Range

Operates flawlessly from -40°C to 75°C with IP40 protection, 8KV surge defense, and rugged DIN rail mounting.Deploy worry-free in freezing warehouses, blazing factory floors, or dusty sites. Withstand voltage spikes from machinery and lightning. The compact rail-mount design saves space in control cabinets or roadside enclosures. Benefit: Slash maintenance costs and downtime with hardware built for harsh environments.

Smart PoE++ Power Management

4× IEEE 802.3at PoE+ ports (30W/port, 120W total) with scheduling, priority, and remote reboot via web GUI.Power IP cameras, wireless APs, or access control over a single cable – no outdoor outlets needed. Schedule PoE on/off to save energy, reboot frozen devices remotely, and prioritize critical gear during power shortages. Cut installation costs 40%+ and ensure 24/7 uptime for powered devices.

Intuitive Web Management Interface

Browser-based centralized control for setup, monitoring, and diagnostics.Configure VLANs, PoE, or rings in minutes – no CLI expertise needed. Monitor port status, traffic flows, and power usage in real-time. Receive alerts for faults or attacks. Deploy and manage distributed industrial networks with IT-level control and 70% less effort.

IES7512-4PGE2GF-DC

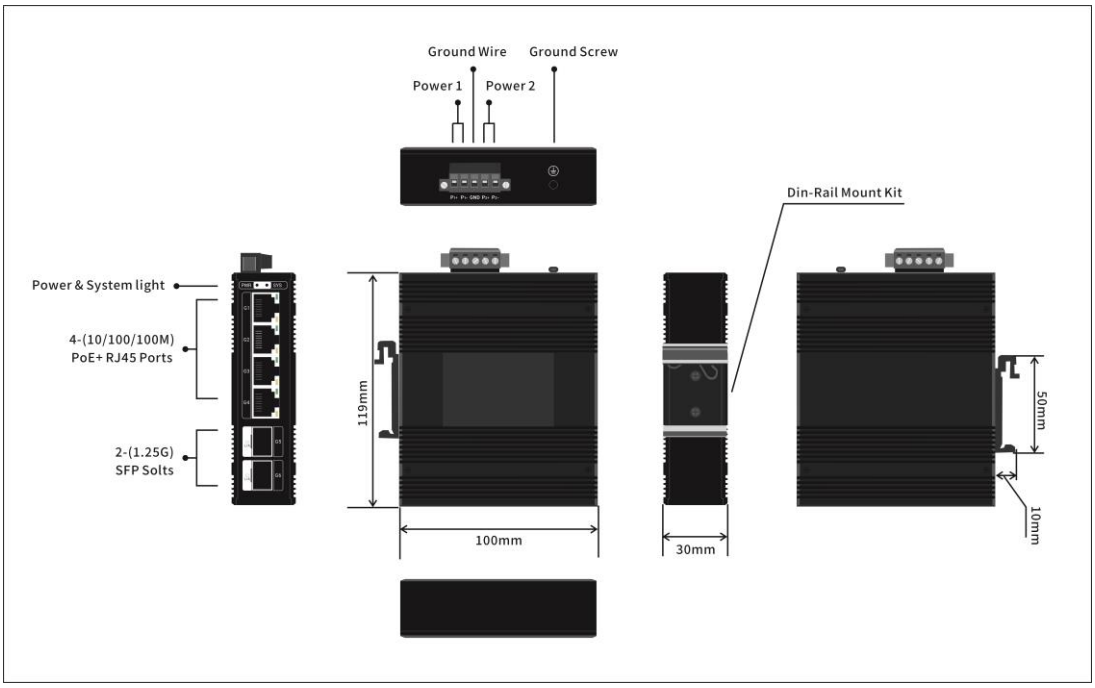
4-Port 10/100/1000Mbps WEB Managed PoE Switch with 2 Gigabit SFP

Technical Datasheet

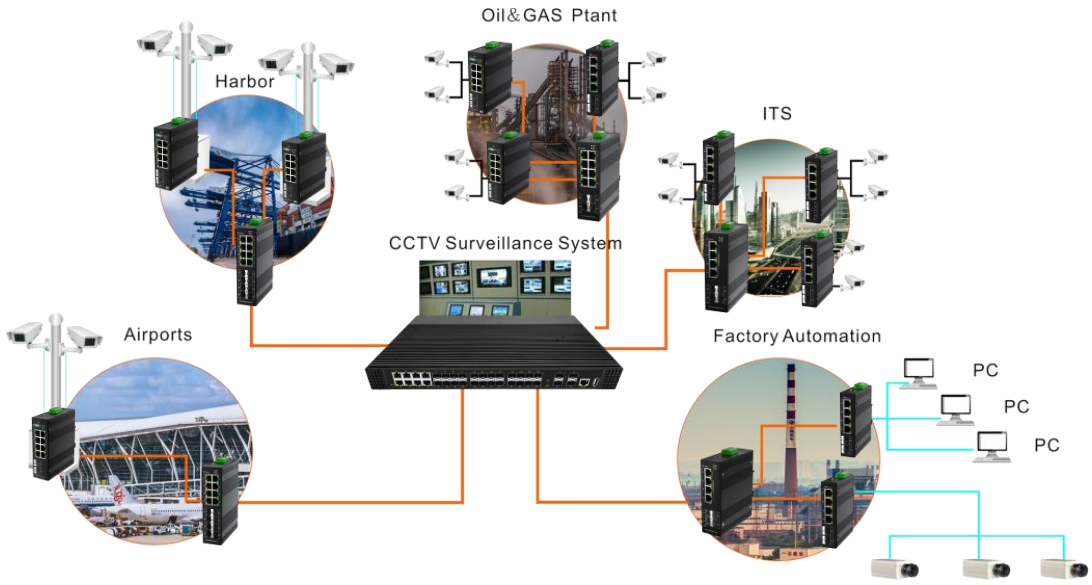
Model	IES7512-4PGE2GF-DC
Hardware Specifications	
Connector	4* 10/100/1000BASE-T RJ45 auto MDI/MDIX ports 2* 1000 Base-X SFP Slots
PoE Port	4* 10/100/1000Mbps POE PSE port
SFP	Singe fiber/Dual fiber supported. Distance vary the module
Reset Button	< 10 sec: System reboot > 10 sec: Factory default
LED indicators	Power Indicator: PWR(green). Network Indicator: Link(green) PoE Working Indicator: PoE(green)
Power Connector	Removable 5-pin terminal block Pin 1/2 for Power 1; Pin 3 for ground wire; Pin 4/5 for Power 2
Power Requirements	48~54V DC, 3A (max.) (>51V DC for PoE+ output recommended)
Power Consumption/ Dissipation	Max. 5.72 watts/22.91BTU (system on) Max. 132 watts/859.32BTU (Full loading)
ESD Protection	Contact Discharge 6KV DC, Air Discharge 8KV DC
Enclosure	IP40 aluminum case
Thermal Fan	Fanless Design
Installation	Din Rail
Dimension(W×D×H)	30mm x 100mm x 120mm
Weight	0.35Kg
Switching Specifications	
Network standard	IEEE802.3i 10 BASE-T IEEE802.3u 100 BASE-TX IEEE802.3ab 1000BASE-T IEEE802.3z 1000BASE-X IEEE802.3x Flow Control
Switch Architecture	Store and Forward
Backplane bandwidth	12Gbps
Packet forwarding rate	7.44Mpps
MAC address	4k
Shared Data Buffer	3.2 megabits
Jumbo Frame	10 Kbytes
Flow Control	IEEE802.3X full-duplex and Backpressure half-duplex

Power over Ethernet (PoE) Specifications	
PoE Standard	IEEE 802.3af Power over Ethernet/PSE IEEE 802.3at Power over Ethernet Plus/PSE
PoE Supply Type	1/2(+), 3/6(-) End-span
PoE Power Output	IEEE 802.3af Standard Per port 48V~51V DC, max. 15.4 watts IEEE 802.3at Standard Per port 51V~54V DC, max. 32 watts
PoE Power Budget	Dual power input: maximum 120W (depending on power input)
Max. Number of Class 2 PDs	4
Max. Number of Class 3 PDs	4
Max. Number of Class 4 PDs	4
Layer 2 Functions	
Port Mirroring	TX / RX / both Many-to-1 monitor
Vlan	802.1Q tagged-based VLAN Up to 26 VLAN groups
Spanning Tree Protocol	STP, IEEE 802.1D Spanning Tree Protocol RSTP, IEEE 802.1w Rapid Spanning Tree Protocol
IGMP	IGMP snooping
Loopback detection	Support
Bandwidth Control	16-1000000 (Kbit/sec), multiple of 16
PoE Management	Open or close port Standard POE scheduling management Power and current display
QoS	8 mapping ID to 8 level priority queues --- Port number --- 802.1p priority
Security	Static MAC address Storm Control
Management Function	
Basic Management Interfaces	Web browser / SNMP v1, v2c Firmware upgrade by HTTP protocol through Ethernet network
Secure Management Interfaces	SNMP
Environment	
Safety	FCC Part15 Class A,CE.RoHs
Stability Testing	IEC 60068-2-32 (free fall) IEC 60068-2-27 (shock) IEC 60068-2-6 (vibration)
Environment specification	Operating temperature: -40℃~75℃，operating humidity: 5％~95％ Storage temperature: -40℃~85℃，storage humidity: 5％~95％

Mechanical Drawing



Applications



Ordering Information	
IES7512-4PGE2GF-DC	4 Ports 10/100/1000Mbps managed PoE switch with 2 gigabit SFP , 6KV surge protection,IEEE802.3af/at

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