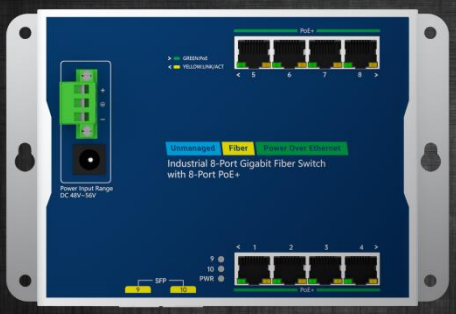
8-Port 10/100/1000Mbps Flat Industrial PoE Switch with 2 Gigabit SFP



EXCLUSIVE 5YEAR WARRANTY

IES7211W-8PGE2GF-DC

Key Features:

Ports: Provide 8*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
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: IP30 Industrial design with dual power input
Flexible installation: Compact size, wall-mounted, magnetic wall mount or DIN-rail design

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 flat 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

8×IEEE 802.3at PoE+ ports (30W/port, 240W total). 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.

Innovative Wall-Mount Installation

The IES7211W-8PGE2GF-DC is designed for narrow installations like wall enclosures. Its compact, flat profile mounts effortlessly in space-restricted locations. The user-friendly Front Access design enables easy installation, cabling, LED monitoring, and maintenance by technicians when deployed in enclosures. Mounting flexibility is achieved through fixed wall-mount, magnetic wall-mount (requires optional accessory), or standard DIN rail installation.

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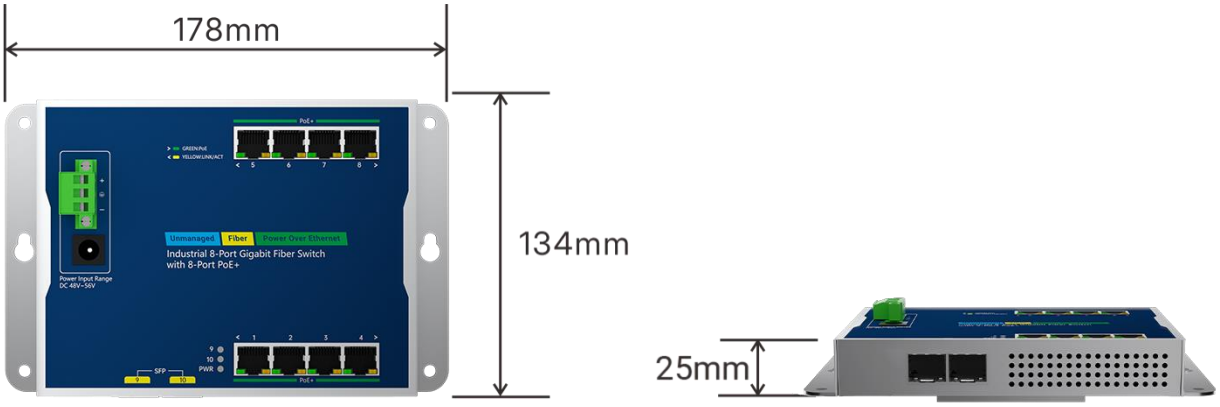
Technical Datasheet

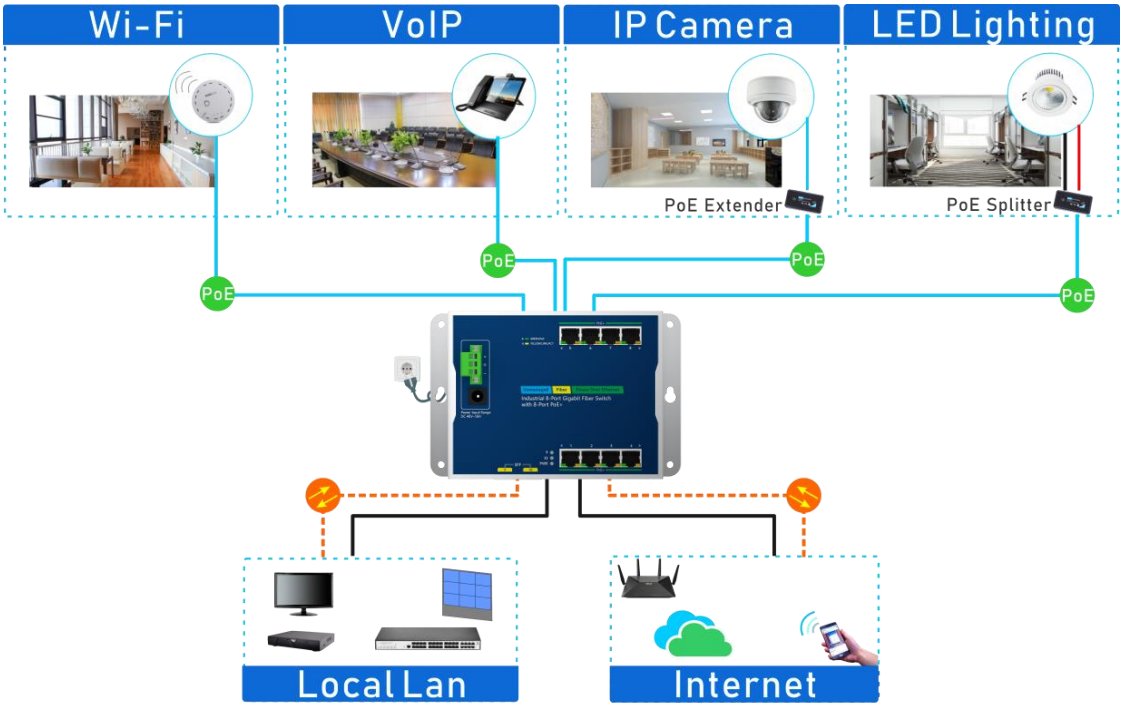
Model	IES7211W-8PGE2GF-DC
Hardware Specifications	
Connector	8* 10/100/1000BASE-T RJ45 auto MDI/MDIX ports 2* 1000 Base-X SFP Slots
PoE Port	8* 10/100/1000Mbps POE PSE port
SFP	Singe fiber/Dual fiber supported. Distance vary the module
Reset Button	< 10 sec: System reboot > 10 sec: Factory default
LED indicators	Power Indicator: PWR(green). Network Indicator: Link(green) PoE Working Indicator: PoE(green)
Power Connector	Removable 3-pin terminal block for power input Pin 1/2 for DC Power (Pin 1: v+ / Pin 2: V-) Pin 3 for earth ground DC power jack with 2.0mm central pole
Power Requirements	48~54V DC, 3A (max.) (>51V DC for PoE+ output recommended)
Power Consumption/ Dissipation	Max. 7.72 watts/26.35BTU (system on) Max. 242 watts/825.94BTU (Full loading)
ESD Protection	Contact Discharge 6KV DC, Air Discharge 8KV DC
Enclosure	IP30 aluminum case
Thermal Fan	Fanless Design
Installation	Din Rail mount, wall-mounted, magnetic wall mount
Dimension(W×D×H)	178mm x 134mm x 25mm
Weight	1.2Kg
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	24Gbps /non-blocking
Packet forwarding rate	14.88Mpps
MAC address	4k
Shared Data Buffer	4.1 megabits
Jumbo Frame	9216 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 240W (depending on power input)
Max. Number of Class 2 PDs	8
Max. Number of Class 3 PDs	8
Max. Number of Class 4 PDs	8
Environment specification	
Environment specification	Operating temperature: -40℃~75℃，operating humidity: 5%~95% Storage temperature: -40℃~85℃，storage humidity: 5%~95%
Regulatory Compliance	
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)

Mechanical Drawing



Applications



Ordering Information	
IES7211W-8PGE2GF-DC	8 Ports 10/100/1000Mbps flat industrial PoE switch with 2 gigabit SFP , 6KV surge protection, IEEE802.3af/at

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