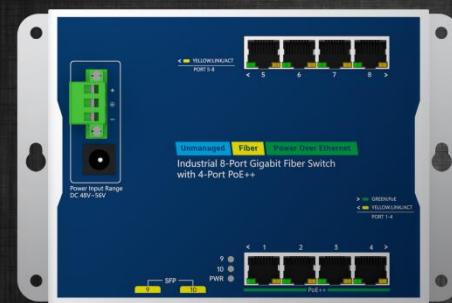




## 8-Port 10/100/1000Mbps Flat Industrial Fiber Switch with 4-Ports PoE++



IES7211W-8GE2GF-4BT

### Key Features:

**Ports:** Provide 4\*gigabit PoE++ ports and 4\*gigabit RJ45 ports and 2 \*1.25Gbps SFP

**PoE Standard:** IEEE802.3af/at/bt Power over Ethernet (PoE) Compliant

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

**Wide Application:** Designed for Wifi AP and PTZ 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

4xIEEE 802.3at PoE++ ports (Max 90W/port). 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-8GE2GF-4BT 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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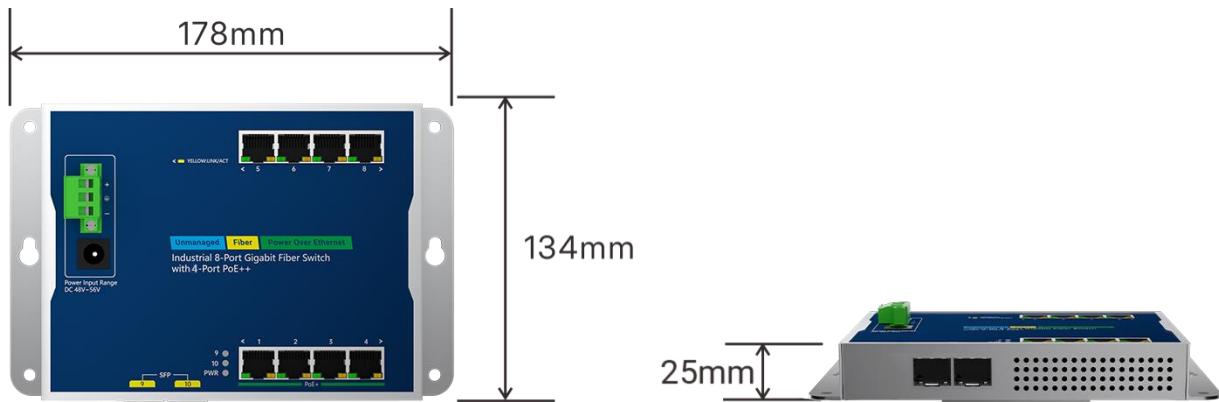
8-Port 10/100/1000Mbps Flat Industrial Fiber Switch with 4 Ports PoE++

## Technical Datasheet

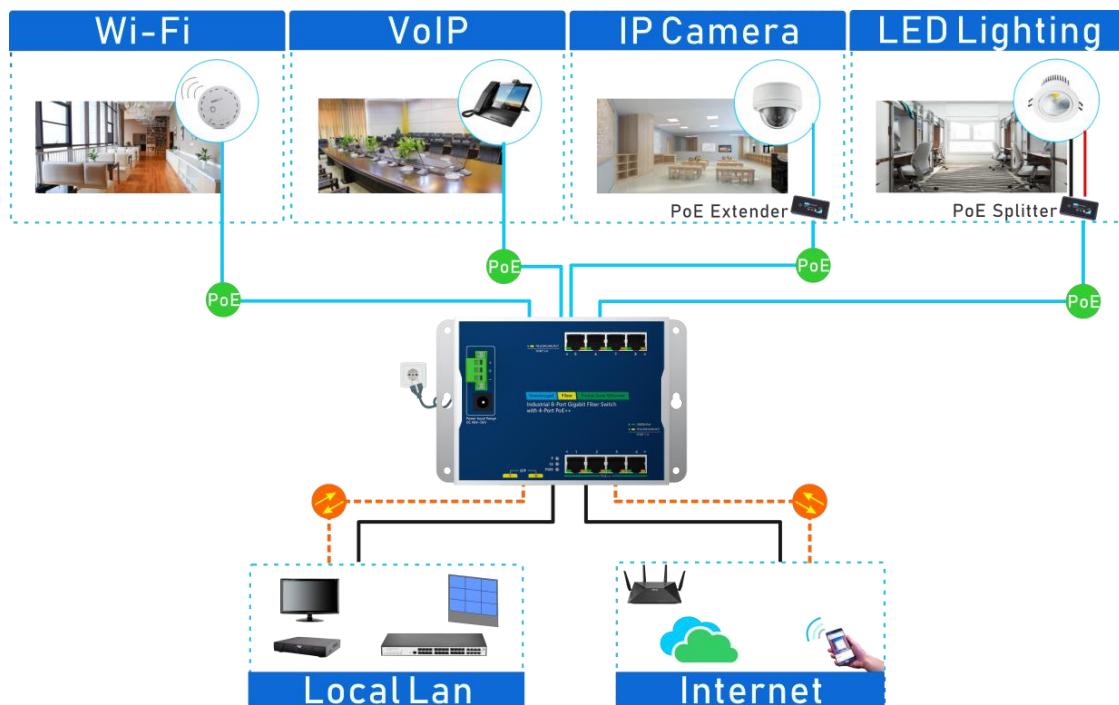
Model	IES7211W-8GE2GF-4BT
Hardware Specifications	
Connector	8* 10/100/1000BASE-T RJ45 auto MDI/MDIX ports 2* 1000 Base-X SFP Slots
PoE Port	4* POE++ PSE port (Max. 90W Per Port)
SFP	Singe fiber/Dual fiber supported. Distance vary the module
Reset Button	< 10 sec: System reboot > 10 sec: Factory default
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	48~56V DC (>54V DC for PoE+ output recommended)
Power Consumption/ Dissipation	Max. 7.72 watts (system on) Max. 370 watts (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(WxDxH)	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 IEEE 802.3bt Power over Ethernet Plus Plus/PSE
PoE Supply Type	1/2/4/5(+), 3/6/7/8(-) IEEE 802.3af Standard Per port 48V~51V DC, max. 15.4 watts
PoE Power Output	IEEE 802.3at Standard Per port 51V~54V DC, max. 32 watts IEEE 802.3bt Standard Per port 54V~56V DC, max. 90 watts
PoE Power Budget	Dual power input: maximum 360W (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
Max. Number of Class 6 PDs	4
Max. Number of Class 8 PDs	4
Environment specification	
Environment specification	Operating temperature: -40°C~75°C, operating humidity: 5%~95% Storage temperature: -40°C~85°C, storage humidity: 5%~95%
Regulatory Compliance	
Safety	FCC Part15 Class A,CE,RoHS IEC 60068-2-32 (free fall)
Stability Testing	IEC 60068-2-27 (shock) IEC 60068-2-6 (vibration)

## Mechanical Drawing



## Applications



### Ordering Information

IES7211W-8GE2GF-4BT

8 Ports 10/100/1000Mbps flat industrial PoE++ switch with 2 gigabit SFP ,  
6KV surge protection, IEEE802.3af/at/bt