

INDUSTRIAL POE SWITCHES · DIN RAIL

IS108GP-2F

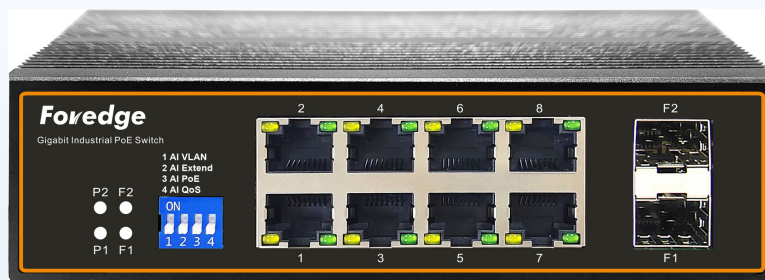
8-Port Gigabit Industrial PoE Switch

Industrial –40...75 °C

Dual DC Input

DIN Rail · IP40

EMC Level 4



8 gigabit PoE ports, 2 SFP fibre uplinks and the pluggable dual-DC power terminal

The IS108GP-2F is an unmanaged industrial PoE switch for the places a rack switch cannot go. Eight gigabit PoE ports and two gigabit SFP uplinks sit in a sealed IP40 aluminium body with no fan, rated from –40 to 75 °C, fed by two independent DC sources on a pluggable terminal block. EMC Level 4 immunity and 6 kV port protection suit it to car parks, plant floors, roadside cabinets and perimeter runs.

8

Gigabit PoE ports

186 W

PoE full-load power

2

Gigabit SFP uplinks

–40...75 °C

Operating range

IP40

Fanless aluminium

Level 4

EMC immunity

Key Capabilities

Built for the Cabinet Outside

A sealed IP40 corrugated aluminium body with no fan and no filter to clog. Rated from –40 to 75 °C, it runs in an unconditioned roadside cabinet through a Riyadh summer without a cooling budget.

EMC Level 4 Immunity

±8 kV contact and ±15 kV air ESD, ±6 kV surge on data ports, ±4 kV EFT on the power port, plus radiated and conducted immunity — the class specified for substations, production lines and traffic cabinets.

Fibre Uplink Off the Copper Limit

Two gigabit SFP slots carry the aggregate back over fibre — the only practical way out of a car park or a perimeter cabinet that sits well beyond 100 m of copper.

Two DC Feeds, One Switch

Dual 48–56 V DC inputs on a pluggable 5.08 mm terminal block mean a second power source can be wired in as backup. Built-in over-voltage protection and reverse-polarity tolerance forgive the wiring mistake that kills most field switches.

Gigabit PoE at 186 W

Eight IEEE 802.3af/at ports at up to 30 W each, 186 W at full load on 52 V DC, with short-circuit, over-current and over-temperature protection on the power stage.

AI PoE Device Recovery

The switch watches each powered port and restarts a device that stops passing traffic for a set time — the hung camera on a pole, recovered without a site visit.

Typical Applications

Car parks & barriers

Factories & production lines

Roads & tunnels

Substations & utilities

Perimeter & gate cameras

Technical Specifications — Hardware

Product model	IS108GP-2F
Network interface	8 × 10/100/1000 Mbps RJ45 PoE ports · 2 × Gigabit SFP fibre ports
Standards	IEEE 802.3, 802.3i, 802.3u, 802.3ab, 802.3z, 802.3af/at
Switching capacity	20 Gbps (non-blocking)
Packet forwarding rate	14.9 Mpps
MAC address table	8 K
Forwarding mode	Store and forward
PoE standards	IEEE 802.3af / IEEE 802.3at
PoE power	186 W at full load on 52 V DC · 30 W maximum per port
PoE pinout	1/2 (+), 3/6 (–)
Input voltage	48–56 V DC
Input terminal	Pluggable terminal block, 5.08 mm pitch — dual DC source backup, built-in protection, reverse-polarity tolerant
No-load power	6 W at 52 V DC
Protection	6 kV surge on all ports · PoE short-circuit, over-current and over-temperature protection · over-voltage and surge-current protection
LED indicators	Power: P1, P2 · Ethernet port Link/Act and PoE 1–8 · Fibre port Link/Act F1–F2
Enclosure	Corrugated high-strength aluminium, IP40
Mounting	DIN rail
Dimensions (L×W×H)	166 × 44.5 × 100 mm
Operating temperature	–40 °C to 75 °C
Storage temperature	–40 °C to 75 °C
Humidity	5 % – 95 % RH, non-condensing
Certification	CE · RoHS · FCC
EMC	EMI: FCC CFR47 Part 15, EN55022/CISPR22 Class A · EMS Level 4: ESD ±8 kV contact / ±15 kV air · surge ±6 kV data, ±4 kV CM power · EFT ±4 kV power, ±2 kV data · vibration, shock and free-fall tested to IEC 60068

Rated for the Field, Not the Server Room

What separates an industrial switch from a rack switch put in a roadside box.

-40 to 75 °C

No fan, no vent: a sealed IP40 aluminium body rated for the full industrial temperature band.

Dual DC Input

Two independent 48–56 V DC feeds on a pluggable terminal block, with reverse-polarity and over-voltage protection.

EMC Level 4

±8 kV contact ESD, ±6 kV data-port surge, ±4 kV power EFT — the immunity class asked for on roadside and plant cabinets.

DIN Rail

Anti-vibration DIN-rail mounting, tested to IEC 60068 for vibration, shock and free fall.

Panel Reference

Ports 1 – 8	10/100/1000 Mbps RJ45 with PoE output
F1 – F2	Gigabit SFP fibre uplink
Power terminal	Pluggable 4-pin block, 5.08 mm pitch — dual 48–56 V DC input
Indicators	P1 and P2 power, plus Link/Act and PoE per port
Mounting	DIN rail, anti-vibration
Enclosure	Corrugated aluminium, IP40, fanless

Ordering Information

MODEL	DESCRIPTION
IS108GP-2F	8 × 10/100/1000 Mbps PoE RJ45 + 2 × Gigabit SFP · unmanaged · 186 W PoE · 48–56 V DC · DIN rail · -40 to 75 °C

Recommended Optical Modules

MODEL	TYPE	REACH
SF310M-LC-500M	Gigabit SFP · multimode · 850 nm · LC · DDM	up to 500 m
SF312A-LC-10KM	Gigabit SFP · single-mode · 1310 nm · LC · DDM	up to 10 km

The uplink slots are Gigabit SFP. 10 Gigabit SFP+ modules (SF410M-LC-300M, SF412A-LC-10KM) are not compatible.

Related Foredge Industrial Switches

MODEL	ACCESS PORTS	UPLINK	POE BUDGET	MANAGEMENT
IS108GP-2F	8 × GE PoE	2 × GE SFP	186 W	Unmanaged
IS108GPS-2F	8 × GE PoE	2 × GE SFP	246 W	Managed L2 · RUN-Ring

Also held in Riyadh stock. Ask us for the matching datasheet.

Warranty & Support

Warranty	Two years from date of purchase
Stock & replacement	Held in Riyadh · replacement within 48 hours
Technical support	Pre-sales design, configuration assistance and firmware from the distributor
Country of manufacture	China — Shenzhen Fengrun Technology Co., Ltd.

Notes

- This model is unmanaged: there is no VLAN, ACL or web interface. Where the site needs ring redundancy, VLANs or SNMP monitoring, specify the IS108GPS-2F instead.
- The manufacturer's brochure states 166 × 44.5 × 100 mm while the 2025 catalogue lists 150 × 127 × 40 mm for this model. Confirm the dimensions with us before ordering the cabinet.
- This switch takes 48–56 V DC only. It has no internal AC supply — a DIN-rail power supply must be specified with it.
- Specifications are taken from the manufacturer's published data and are subject to change without notice.
- Foreedge is a trademark of Shenzhen Fengrun Technology Co., Ltd. All other marks are the property of their respective owners.