

Gigabit SFP Media Converter with PoE+ Output, IEEE 802.3af/at, up to 25.5 W

Fiber Optics / Media Converters

1 × Gigabit PoE RJ45 + 1 × SFP 1.25 Gb/s. IEEE 802.3af/at, up to 25.5 W. 48-57 V DC input and included 52 V / 0.7 A adapter. SFP sold separately.



CONVERSOR GIGABIT SFP PoE+ IEEE 802.3af/at · Hasta 25,5 W

1 unidad · RJ45 Gigabit · SFP no incluido

KG-FMC-1G-SFP-POE

KG-FMC-1G-SFP-POE

Brand
KONGIA

Type
Gigabit media converter/switch with PoE+ output for video surveillance and IP networks

Commercial configuration
1 device with external power supply; SFP module not included

Key features

- Gigabit + SFP + PoE+: One RJ45 10/100/1000 Mbps port with PoE output and an optical slot of 1.25 Gb/s.
- Up to 25.5 W: IEEE 802.3af/at power through pins 1/2 (+) and 3/6 (-).
- Adaptable fiber: Single-mode, multimode or BiDi links using a separately selected SFP module.
- Wire-speed switching: Store-and-forward, 2K MAC table, 9 Kbyte jumbo frames and latency ≤ 150 μs.
- 48-57 V DC: External 52 V / 0.7 A adapter included; Chinese plug as standard.
- Compact and quiet: 94 × 70 × 26 mm, 150 g and fanless cooling.

Technical specifications

Parameter	Specification
Brand	KONGIA
SKU	KG-FMC-1G-SFP-POE
Type	Gigabit media converter/switch with PoE+ output for video surveillance and IP networks
Commercial configuration	1 device with external power supply; SFP module not included

Technical specifications

Parameter	Specification
Ethernet interface	1 × RJ45 10/100/1000 Mbps with PoE output
Optical interface	1 × SFP slot of 1.25 Gb/s, full duplex
Media conversion	Ethernet 10/100/1000BASE-T to Gigabit fiber; IEEE 802.3z 1000BASE-SX/LX
Autonegotiation	10/100/1000 Mbps, MDI/MDI-X and full/half duplex
Ethernet cable	UTP Cat.5e or higher
Copper reach	Up to 100 m
SFP module	Optional, purchased separately
Optical link types	Single-fiber single-mode, dual-fiber single-mode or dual-fiber multimode, depending on SFP
Wavelengths of optical options	850 / 1310 / 1490 / 1550 nm, depending on SFP
Optical reach	550 m to 100 km, depending on SFP and optical budget
Fiber connector	Depends on the installed SFP module
Ethernet standards	IEEE 802.3 (10BASE-T), 802.3u (100BASE-TX/FX), 802.3ab (1000BASE-T), 802.3z (1000BASE-SX/LX)
Additional standards	IEEE 802.3af, IEEE 802.3at, IEEE 802.3az and IEEE 802.3x
PoE	Output compatible with IEEE 802.3af/at
PoE output power	Up to 25.5 W
PoE powering method	Endspan
PoE power pins	1/2 (+), 3/6 (–)
Number of directly connected PoE devices	1 device through the single RJ45 port
Forwarding	Store-and-forward
Switching	Wire speed on all ports
MAC table	2K addresses
Jumbo frames	Up to 9 Kbytes
Network latency	≤ 150 μs
Flow control	IEEE 802.3x and back pressure
Installation	Plug & Play, no configuration

Technical specifications

Parameter	Specification
Indicators	Power, PoE and link/activity (LINK/ACT)
Isolation	Optical link isolation between network segments
Power supply	External
Adapter input	100–240 V AC, 50/60 Hz
Included adapter	52 V DC / 0.7 A, Chinese plug
Plug options	US or European
Device input	48–57 V DC
Power connector	DC barrel jack; center positive
Device's own power consumption	0.75–2 W; separate from power supplied by PoE
Operating temperature	–10 °C to +65 °C
Storage temperature	–40 °C to +70 °C
Operating humidity	5–90 %, non-condensing
Device weight	0.15 kg
Housing and color	Metal, black
Cooling	Fanless design, with side heat dissipation and low-power chip
Dimensions per unit	94 × 70 × 26 mm (depth × width × height)
KONGIA warranty	2 years

Applications

Remote IP camera

Carry data over fiber and power a compatible PoE camera over the final Ethernet segment; the converter requires its local power adapter.

Remote access point

Connect a compatible PoE access point where fiber terminates and there is no switch beside the device.

Inter-building link

Integrate a surveillance or monitoring point using SFP modules and fiber compatible with both ends of the link.

Non-PoE Ethernet equipment

Connect a computer or other device to the RJ45 port for data. It has only one RJ45 port: multiple devices require an additional switch.

Camera with separate power supply

Use a compatible PoE splitter, purchased separately, for a non-PoE camera; check output voltage and power before connection.

Packaging & contents

1 × Gigabit SFP converter with PoE+ output 1 × external 52 V DC / 0.7 A adapter, 100–240 V AC 50/60 Hz input, Chinese plug SFP module and fiber cable not included. US or European plug optional.

Warranty

2-year KONGIA warranty against manufacturing defects.