Gigabit Single-Fiber BiDi Single-Mode SC/UPC Media Converter Kit, 40 km

Fiber Optics / Media Converters

A + B kit · RJ45 10/100/1000 Mbps · Single-mode SC · Single-fiber BiDi · Up to 40 km · 5 V DC / 1 A.

KG-FMC-1G-BD-SC-40-KIT

Brand
KONGIA

Type
Gigabit BiDi media converter kit

Sales unit
A + B kit with two complementary units

Key features

- BiDi A + B pair: Two complementary units for a bidirectional link.
- One fiber strand: Single-mode connection via SC/UPC simplex.
- Gigabit Ethernet: One RJ45 10/100/1000 Mbps port per unit.
- up to 40 km: Design reach subject to the link's optical budget.
- Metal housing: Compact format with side ventilation.
- Two-unit kit: One commercial reference for both ends.

Technical specifications

Parameter	Specification
Brand	KONGIA
SKU	KG-FMC-1G-BD-SC-40-KIT
Type	Gigabit BiDi media converter kit
Sales unit	A + B kit with two complementary units
Ethernet interface per unit	1 × RJ45 10/100/1000 Mbps
Optical interface per unit	1 × SC/UPC simplex

Technical specifications

Parameter	Specification
Fiber type	Single-mode, one bidirectional BiDi fiber
Optical link class	Gigabit / 1000BASE-X
Design reach	up to 40 km; depends on optical budget and link condition
Optical pair	Unit A: TX 1310 nm / RX 1550 nm; unit B: TX 1550 nm / RX 1310 nm
Housing	Metal, compact, with side ventilation
Installation	Desktop, cabinet or technical point
SFP module	Not applicable
Power supply per unit	5 V DC / 1 A
Kit Contents	2 A + B converters, 2 power adapters of 5 V DC / 1 A and 1 quick guide
Optical accessories	Fiber cable not included
Dimensions per unit	94 × 70 × 26 mm (depth × width × height)
KONGIA warranty	2 years

Applications

IP video surveillance
Fiber connection between a camera segment or switch and the recording network.

Enterprise networks
Extension of Ethernet segments between technical rooms using single-mode fiber.

Links between buildings
BiDi connection using a single optical strand between both ends.

Campuses and businesses
Integration of remote equipment within the planned reach and optical budget.

Packaging & contents

The kit contains 2 complementary BiDi converters, unit A and unit B, 2 power adapters of 5 V DC / 1 A and 1 quick guide. Fiber cable not included.

Warranty

2-year KONGIA warranty against manufacturing defects.