

100 Mbps Single-Mode Single-Fiber BiDi SC to RJ45 Media Converter Pair, 20 km

Fiber Optics / Media Converters

A + B kit · RJ45 10/100 Mbps · Single-mode SC · Single-fiber BiDi · Up to 20 km · 5 V DC / 1 A.



KIT DE CONVERSORES 100 MBPS

Monomodo · Fibra única · Hasta 20 km

2 unidades A + B · SC BiDi · RJ45 10/100 Mbps

KG-FMC-100-BD-SC-20-KIT

KG-FMC-100-BD-SC-20-KIT

Brand
KONGIA

Type
Fast Ethernet to BiDi optical fiber media converter kit

Configuration
A + B pair; 2 complementary units

Key features

- BiDi A + B pair: Two converters to create a bidirectional link over one single-mode fiber.
- Up to 20 km over fiber: SC interface and Fast Ethernet optical link for network expansion.
- RJ45 10/100 Mbps: Full/half-duplex autonegotiation and Auto MDI/MDIX; Cat5e UTP/STP up to 100 m.
- Power supply 5 V / 1 A: Ventilated metal housing and link and power status indicators.

Technical specifications

Parameter	Specification
Brand	KONGIA
SKU	KG-FMC-100-BD-SC-20-KIT
Type	Fast Ethernet to BiDi optical fiber media converter kit
Configuration	A + B pair; 2 complementary units
Copper interface per unit	1 × RJ45 10/100 Mbps
Ethernet negotiation	10/100 Mbps autonegotiation, full/half duplex
Automatic crossover	Auto MDI/MDIX

Technical specifications

Parameter	Specification
Optical interface per unit	1 × SC, single-mode, single fiber, bidirectional BiDi
Fiber type	Single-mode SMF
Optical speed	100 Mbps
Optical reach	up to 20 km
Optical pair	A + B with complementary wavelengths
Ethernet conversion	10/100BASE-TX to Fast Ethernet fiber
Copper cable	Cat5e UTP/STP
Copper distance	Up to 100 m
Power supply per unit	5 V DC / 1 A
Minimum / maximum voltage	5 V DC / 5 V DC
Housing	Metal, compact, with side ventilation slots
Visible indicators	Link/activity, FX/TX, duplex and PWR power LEDs
Operation	Automatic Ethernet conversion; design intended for stable transmission and low latency
Compatibility	Ethernet devices: switches, routers, IP cameras, network-enabled NVRs/DVRs, computers and servers
Sales unit	1 kit of 2 converters
Contents	2 single-mode single-fiber converters, A + B
Dimensions per unit	94 × 70 × 26 mm (depth × width × height)
KONGIA warranty	2 years

Applications

Switch interconnection over single-mode fiber.

Network extension between routers and Ethernet equipment.

Connection of IP cameras and NVR/DVR systems with network interfaces.

Links between computers, servers and building networks.

Packaging & contents

1 kit with 2 KONGIA single-mode single-fiber converters: unit A and unit B. Power supply per unit: 5 V DC / 1 A.

Warranty

2-year KONGIA warranty against manufacturing defects.