



PRODUCT DATASHEET

Fibre Optic Active Equipment

Fibre Media Converter 3 km

10/100/1000

SC

3 km

A + B Pair

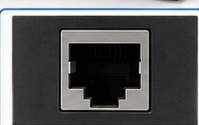
Singlemode

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Fibre Media Converter A (3 km)



SC (Type A - Blue)



RJ45 10/100/1000 Mbps



5V DC Input

Fibre Media Converter B (3 km)



SC (Type B - Yellow)



RJ45 10/100/1000 Mbps



5V DC Input

CONVERTER A (BLUE SC, 1310 NM TX) · CONVERTER B (YELLOW SC, 1550 NM TX) · SOLD AS A PAIR

ISHCO Gigabit fibre media converters extend Ethernet over singlemode fibre up to **3 km**. Sold as an **A / B pair**, they convert 10/100/1000BASE-T copper to 1000BASE-FX and use a single fibre with WDM optics (A: 1310 nm TX / 1550 nm RX · B: 1550 nm TX / 1310 nm RX).

Each unit has one RJ45 auto-negotiating port, one simplex SC fibre port, status LEDs (PWR, 1000M, Link/Act, FDX/COL) and a 5 V DC input with external adaptor. Plug-and-play – no configuration needed.

1000BASE-FX

RJ45

SC Simplex

WDM

5 V DC

Plug & Play

Features & Benefits

01

- ✓ 10/100/1000BASE-T to 1000BASE-FX Gigabit media conversion
- ✓ Distance up to 3 km on 9/125 µm singlemode fibre
- ✓ Store-and-forward switching, supports jumbo frames up to 9 KB
- ✓ Status LEDs: PWR, 1000M, Link/Act, FDX/COL
- ✓ Compact metal housing, desktop or rack-tray mounting
- ✓ Singlemode, single fibre WDM (BiDi) – A and B units form one link
- ✓ Auto-negotiation, auto-MDI/MDI-X on the RJ45 port
- ✓ Link Fault Pass-through (LFP) for remote fault detection
- ✓ External 5 V DC power adaptor, low consumption < 3 W
- ✓ Plug and play – no configuration · CE · FCC · RoHS



WEBSITE

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LOCATION

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SCAN TO VISIT





Technical Specifications

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Parameter	Specification
Standards	IEEE 802.3 / 802.3u / 802.3ab / 802.3z / 802.3x
Copper port	1 × RJ45 10/100/1000BASE-T, auto-MDI/X
Fibre port	1 × SC simplex, 1000BASE-FX
Fibre type	Singlemode 9/125 µm
Wavelength	A: 1310 TX / 1550 RX · B: 1550 TX / 1310 RX
Distance	Up to 3 km
TX power / RX sensitivity	-9 to -3 dBm / ≤ -21 dBm
Switching	Store and forward, 9 KB jumbo
LEDs	PWR, 1000M, Link/Act, FDX/COL
Power	5 V DC, 1 A external adaptor
Consumption	<3 W
Dimensions	94 × 70 × 26 mm
Operating temperature	0 °C to +50 °C
Housing	Metal, black

Ordering Information

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Part No.	Description	Wavelength	Port
ISH-MC-1G-3K-A	Gigabit media converter, singlemode, 3 km, Type A	1310 TX / 1550 RX	SC simplex
ISH-MC-1G-3K-B	Gigabit media converter, singlemode, 3 km, Type B	1550 TX / 1310 RX	SC simplex
ISH-MC-1G-3K-AB	Gigabit media converter pair (A + B) with 2 adaptors	Pair	SC simplex

● APPLICATIONS

- Extending LAN between buildings over fibre
- CCTV / IP camera backhaul
- Connecting remote switches and access points
- Industrial and campus networks

● STANDARDS & COMPLIANCE

- IEEE 802.3, 802.3u, 802.3ab, 802.3z, 802.3x
- IEC 60825-1 Class 1
- CE · FCC · RoHS

● PACKAGE CONTENTS

- 1 × media converter (A or B)
- 1 × 5 V DC power adaptor
- Quick installation guide

Note: Specifications are typical values and may be improved without notice. For custom lengths, colours, quantities or OEM requirements please contact the iSHCO team using the details below.



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