

# DIGITUS Fast Ethernet Media Converter, RJ45 / SC

DN-82020-1  
EAN 4016032293095



### Fast Ethernet Media Converter, Multimode SC connector, 1310nm, up to 2km

The Media Converters from DIGITUS are the ideal solution for the migration of Copper and Fiber Network Signals. From now on, you are able to access the Fiber Technology and transfer network signals over several kilometers without renewing your whole Network Infrastructure. The huge variety of Products fulfil your individual needs. The intuitive operation guarantees a quick and easy Installation. The Link Fault Pass Through function offers a no-fear-networking. Your Network Administrator will be able to find and solve Network problems easily. Years of Experience and a wide range of products lets DIGITUS become a reliable Partner for your Network.

#### The perfect converter solution for various fiber media

- Transforms wire based network media to fiber optic
- High quality and excellent reliability
- 10/100Base-TX to 100Base-FX
- Connectors: 1x RJ45, 1x SC duplex
- Distance: up to 2km
- Wavelength: 1310nm
- Multimode dual fiber
- Automatic cable detection - auto MDI / MDI-X function
- Auto-negotiation of full- and half-duplex
- Diagnostic and monitoring LEDs for the status of power, link and act of the ports

- Link Fault Pass Through (LFP) function for easier network maintenance
- Suitable for 50/125µm and 62.5/125µm Fiber Cables
- Transmission power: minimum -22 dBm, maximum -12 dBm
- Sensitivity receiving power: minimum -30 dBm
- Supported Standards: IEEE 802.3 Ethernet, IEEE 802.3u Fast Ethernet
- 128kB data buffer
- Operating temperature: 0 to 55°C
- Dimensions (L x W x H): 95mm x 70mm x 26mm
- Weight: 200g
- Standalone Converter with external power supply
- Input Supply Voltage: 5V DC
- Max. Current: 800mA
- Power Consumption: 2.5W
- Connector 1: RJ45
- Connector 2: SC
- Mode: Multimode
- Distance (km): 2
- Industrial usage: no
- Broadcasting Mode: Unidirectional
- PoE injector: no
- Ethernet speed: Fast Ethernet

#### Package contents

- Media Converter
- Quick installation guide
- Power adapter

Logistics						
	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm³
Packaging Unit Carton	20	9.70	56.00	40.00	25.50	57,120.00
Packaging Unit Inside	1	0.49	6.00	21.60	16.10	2,086.56
Packaging Unit Single	1	0.49	6.00	21.60	16.10	2,086.56
Net single without Packaging	1	0.18	12.00	7.00	2.60	0.00

More images:



Safety notes

- Avoid direct contact with light sources: Fiber optic cables, especially those with active light sources such as lasers (e.g. in optical communication systems), can emit dangerous radiation that can damage eyes. Take care never to look directly into the light of an optical fiber, even if the light source is invisible to the naked eye.
- When working with fiber optic cables, especially during tests or when working with lasers, protective goggles should always be worn to protect against harmful radiation.
- When plugging and unplugging the cable, only grasp the plug and do not pull directly on the cable.
- Do not kink or crush: Fiber optic cables are sensitive to mechanical stress.
- To protect cables from physical damage, they should be laid in special ducts or with protective materials
- Keep cable connectors clean: Fiber optic cables are sensitive to dust and dirt. Even small particles on the connectors can severely impair the signal quality.
- Cables should not be used in environments with extremely high or very low temperatures. Observe the product information on the maximum operating temperature of the cable
- Check cables regularly for visible damage such as cracks, kinks or signs of wear. Defective cables should be replaced immediately.

EU responsible person

EU based economic operator ensuring the product complies with the required regulations.

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Pin	Color	Signal	Connector	Reference	Material	Shielding	Termination	Manufacturer
1	Blue	TX+	LC	100-1000BASE-TX	Blue	None	None	100-1000BASE-TX
2	Orange	TX-	LC	100-1000BASE-TX	Orange	None	None	100-1000BASE-TX
3	Green	RX+	LC	100-1000BASE-TX	Green	None	None	100-1000BASE-TX
4	Red	RX-	LC	100-1000BASE-TX	Red	None	None	100-1000BASE-TX
5	Brown	SD	UTP	100-1000BASE-TX	Brown	None	None	100-1000BASE-TX
6	Black	FP	UTP	100-1000BASE-TX	Black	None	None	100-1000BASE-TX
7	White	TP	UTP	100-1000BASE-TX	White	None	None	100-1000BASE-TX
8	Grey	COL	UTP	100-1000BASE-TX	Grey	None	None	100-1000BASE-TX
9	Yellow	Act	UTP	100-1000BASE-TX	Yellow	None	None	100-1000BASE-TX
10	Purple	Link	UTP	100-1000BASE-TX	Purple	None	None	100-1000BASE-TX
11	Light Blue	Power	DC	5V	Light Blue	None	None	DC 5V
12	Light Green	Ground	DC	5V	Light Green	None	None	DC 5V