

# 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

### Attributes

- Connector 1: RJ45
- Connector 2: SC
- Mode: Multimode
- Distance (km): 2
- Industrial usage: no
- Broadcasting Mode: Unidirectional
- PoE injector: no
- Ethernet speed: Fast Ethernet

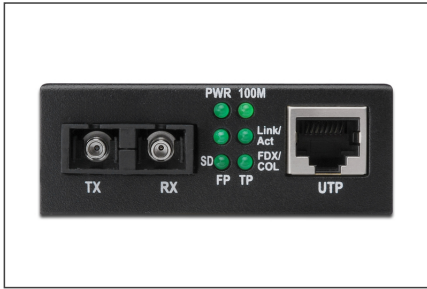
### Package contents

- Media Converter
- Quick installation guide
- Power adapter

Logistics						
	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm <sup>3</sup>
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:

Product Name	SKU Code	Serial	Component	Distance	Reflex	Message	Display/Indicator	Accessories
Media Converter 1000	AK50000001	1000000001	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000002	1000000002	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000003	1000000003	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000004	1000000004	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000005	1000000005	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000006	1000000006	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000007	1000000007	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000008	1000000008	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000009	1000000009	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000010	1000000010	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000011	1000000011	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000012	1000000012	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000013	1000000013	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000014	1000000014	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000015	1000000015	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000016	1000000016	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000017	1000000017	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000018	1000000018	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000019	1000000019	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000020	1000000020	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000021	1000000021	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000022	1000000022	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000023	1000000023	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000024	1000000024	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000025	1000000025	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000026	1000000026	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000027	1000000027	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000028	1000000028	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000029	1000000029	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000030	1000000030	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000031	1000000031	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
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Media Converter 1000	AK50000051	1000000051	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000052	1000000052	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000053	1000000053	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
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Media Converter 1000	AK50000055	1000000055	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000056	1000000056	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000057	1000000057	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000058	1000000058	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000059	1000000059	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000060	1000000060	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000061	1000000061	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000062	1000000062	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000063	1000000063	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000064	1000000064	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000065	1000000065	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000066	1000000066	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000067	1000000067	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000068	1000000068	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000069	1000000069	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	
Media Converter 1000	AK50000070	1000000070	SC Single-mode Duplex	1000m	Yes	1000m	1000m 1000m	



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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