

Digitus® Gigabit Media Converter, RJ45 / SC

DN-82121-1

EAN 4016032293132



Gigabit Ethernet Media Converter, Singlemode SC connector, 1310nm, up to 20km

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 perfect converter solution for various fiber media

- Transforms wire based network media to fiber optic
- High quality and excellent reliability
- 10/100/1000Base-TX to 1000Base-LX
- Connectors: 1x RJ45, 1x SC duplex
- Distance up to 20km
- Wavelength: 1310nm
- Singlemode 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
- Suitable for 9/125µm Fiber Cables
- Transmission Power: Minimum -12 dBm, Maximum -6 dBm

- Sensitivity Receiving Power: Minimum -21 dBm
- Supported Standards: IEEE 802.3 Ethernet, IEEE 802.3u Fast Ethernet, IEEE 802.3z Gigabit Ethernet
- 2MB Data Buffer
- Operating Temperature: 0 to 60°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

Attributes

- Connector 1: RJ45
- Connector 2: SC
- Mode: Singlemode
- Distance (km): 20
- Industrial usage: no
- Broadcasting Mode: Unidirectional
- PoE injector: no
- Ethernet speed: Gigabit

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	9.00	30.00	27.00	55.00	44,550.00
Packaging Unit Inside	1	0.45	6.00	21.60	16.10	2,086.56
Packaging Unit Single	1	0.45	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:



Part Number	Port 1	Port 2	Distance	Media	Speed	Operating Temperature	Accessories
DM-0001	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0002	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0003	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0004	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0005	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0006	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0007	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0008	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0009	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0010	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0011	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0012	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0013	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0014	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0015	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0016	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0017	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0018	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0019	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0020	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0021	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0022	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0023	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0024	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0025	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0026	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0027	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0028	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0029	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0030	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0031	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0032	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0033	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0034	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0035	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0036	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0037	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0038	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0039	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0040	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0041	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0042	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0043	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0044	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0045	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0046	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0047	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0048	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0049	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	
DM-0050	10/100/1000 Mbps RJ45	10/100/1000 Mbps RJ45	20 km	Fiber	10/100/1000 Mbps	0°C to 40°C	



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.

ASSMANN Electronic GmbH
Auf dem Schöffel 3
Lüdenscheid, Germany
<https://www.assmann.com>
info@assmann.com