

DIGITUS® Fast Ethernet Media Converter, RJ45 / ST

DN-82010-1

EAN 4016032293088



Fast Ethernet Media Converter, Multimode ST 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

- Converts wire-based network signals into fiber optic signals
- High quality and maximum reliability
- 10/100Base-TX to 100Base-FX
- Connections: 1x RJ45, 1x ST Duplex
- Range: up to 2 km
- Wavelength: 1310 nm
- Multimode dual fiber
- Automatic cable detection - Auto MDI / MDI-X function
- Auto-detection of full and half-duplex
- Diagnostic LEDs for status and activity monitoring
- Link Fault Pass Through (LFP) function for simple fault detection
- Suitable for 50/125µm and 62.5/125µm fiber optic cables

- Transmission power: minimum -22 dBm, maximum -12 dBm
- Reception sensitivity: 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: 200 g
- Standalone converter with external power supply unit
- Input voltage: 5V DC
- Max. Current consumption: 800mA
- Power consumption: 21.5W

Attributes

- Connector 1: RJ45
- Connector 2: ST
- 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	10.00	30.00	27.00	55.00	44,550.00
Packaging Unit Inside	1	0.50	6.00	21.60	16.10	2,086.56
Packaging Unit Single	1	0.50	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	Part Name	Speed	Connector	Distance	Medium	Wavelength	Operating Temperature	Accessories
DP-1000M-1	10/100Mbps Ethernet to 10km Single-mode Fiber	10/100Mbps	10km Single-mode Fiber	10km	Plastic	1310nm	0°C to 55°C	
DP-1000M-2	10/100Mbps Ethernet to 20km Single-mode Fiber	10/100Mbps	20km Single-mode Fiber	20km	Plastic	1310nm	0°C to 55°C	
DP-1000M-3	10/100Mbps Ethernet to 40km Single-mode Fiber	10/100Mbps	40km Single-mode Fiber	40km	Plastic	1310nm	0°C to 55°C	
DP-1000M-4	10/100Mbps Ethernet to 60km Single-mode Fiber	10/100Mbps	60km Single-mode Fiber	60km	Plastic	1310nm	0°C to 55°C	
DP-1000M-5	10/100Mbps Ethernet to 80km Single-mode Fiber	10/100Mbps	80km Single-mode Fiber	80km	Plastic	1310nm	0°C to 55°C	
DP-1000M-6	10/100Mbps Ethernet to 100km Single-mode Fiber	10/100Mbps	100km Single-mode Fiber	100km	Plastic	1310nm	0°C to 55°C	
DP-1000M-7	10/100Mbps Ethernet to 120km Single-mode Fiber	10/100Mbps	120km Single-mode Fiber	120km	Plastic	1310nm	0°C to 55°C	
DP-1000M-8	10/100Mbps Ethernet to 140km Single-mode Fiber	10/100Mbps	140km Single-mode Fiber	140km	Plastic	1310nm	0°C to 55°C	
DP-1000M-9	10/100Mbps Ethernet to 160km Single-mode Fiber	10/100Mbps	160km Single-mode Fiber	160km	Plastic	1310nm	0°C to 55°C	
DP-1000M-10	10/100Mbps Ethernet to 180km Single-mode Fiber	10/100Mbps	180km Single-mode Fiber	180km	Plastic	1310nm	0°C to 55°C	
DP-1000M-11	10/100Mbps Ethernet to 200km Single-mode Fiber	10/100Mbps	200km Single-mode Fiber	200km	Plastic	1310nm	0°C to 55°C	
DP-1000M-12	10/100Mbps Ethernet to 220km Single-mode Fiber	10/100Mbps	220km Single-mode Fiber	220km	Plastic	1310nm	0°C to 55°C	
DP-1000M-13	10/100Mbps Ethernet to 240km Single-mode Fiber	10/100Mbps	240km Single-mode Fiber	240km	Plastic	1310nm	0°C to 55°C	
DP-1000M-14	10/100Mbps Ethernet to 260km Single-mode Fiber	10/100Mbps	260km Single-mode Fiber	260km	Plastic	1310nm	0°C to 55°C	
DP-1000M-15	10/100Mbps Ethernet to 280km Single-mode Fiber	10/100Mbps	280km Single-mode Fiber	280km	Plastic	1310nm	0°C to 55°C	
DP-1000M-16	10/100Mbps Ethernet to 300km Single-mode Fiber	10/100Mbps	300km Single-mode Fiber	300km	Plastic	1310nm	0°C to 55°C	
DP-1000M-17	10/100Mbps Ethernet to 320km Single-mode Fiber	10/100Mbps	320km Single-mode Fiber	320km	Plastic	1310nm	0°C to 55°C	
DP-1000M-18	10/100Mbps Ethernet to 340km Single-mode Fiber	10/100Mbps	340km Single-mode Fiber	340km	Plastic	1310nm	0°C to 55°C	
DP-1000M-19	10/100Mbps Ethernet to 360km Single-mode Fiber	10/100Mbps	360km Single-mode Fiber	360km	Plastic	1310nm	0°C to 55°C	
DP-1000M-20	10/100Mbps Ethernet to 380km Single-mode Fiber	10/100Mbps	380km Single-mode Fiber	380km	Plastic	1310nm	0°C to 55°C	
DP-1000M-21	10/100Mbps Ethernet to 400km Single-mode Fiber	10/100Mbps	400km Single-mode Fiber	400km	Plastic	1310nm	0°C to 55°C	
DP-1000M-22	10/100Mbps Ethernet to 420km Single-mode Fiber	10/100Mbps	420km Single-mode Fiber	420km	Plastic	1310nm	0°C to 55°C	
DP-1000M-23	10/100Mbps Ethernet to 440km Single-mode Fiber	10/100Mbps	440km Single-mode Fiber	440km	Plastic	1310nm	0°C to 55°C	
DP-1000M-24	10/100Mbps Ethernet to 460km Single-mode Fiber	10/100Mbps	460km Single-mode Fiber	460km	Plastic	1310nm	0°C to 55°C	
DP-1000M-25	10/100Mbps Ethernet to 480km Single-mode Fiber	10/100Mbps	480km Single-mode Fiber	480km	Plastic	1310nm	0°C to 55°C	
DP-1000M-26	10/100Mbps Ethernet to 500km Single-mode Fiber	10/100Mbps	500km Single-mode Fiber	500km	Plastic	1310nm	0°C to 55°C	
DP-1000M-27	10/100Mbps Ethernet to 520km Single-mode Fiber	10/100Mbps	520km Single-mode Fiber	520km	Plastic	1310nm	0°C to 55°C	
DP-1000M-28	10/100Mbps Ethernet to 540km Single-mode Fiber	10/100Mbps	540km Single-mode Fiber	540km	Plastic	1310nm	0°C to 55°C	
DP-1000M-29	10/100Mbps Ethernet to 560km Single-mode Fiber	10/100Mbps	560km Single-mode Fiber	560km	Plastic	1310nm	0°C to 55°C	
DP-1000M-30	10/100Mbps Ethernet to 580km Single-mode Fiber	10/100Mbps	580km Single-mode Fiber	580km	Plastic	1310nm	0°C to 55°C	
DP-1000M-31	10/100Mbps Ethernet to 600km Single-mode Fiber	10/100Mbps	600km Single-mode Fiber	600km	Plastic	1310nm	0°C to 55°C	
DP-1000M-32	10/100Mbps Ethernet to 620km Single-mode Fiber	10/100Mbps	620km Single-mode Fiber	620km	Plastic	1310nm	0°C to 55°C	
DP-1000M-33	10/100Mbps Ethernet to 640km Single-mode Fiber	10/100Mbps	640km Single-mode Fiber	640km	Plastic	1310nm	0°C to 55°C	
DP-1000M-34	10/100Mbps Ethernet to 660km Single-mode Fiber	10/100Mbps	660km Single-mode Fiber	660km	Plastic	1310nm	0°C to 55°C	
DP-1000M-35	10/100Mbps Ethernet to 680km Single-mode Fiber	10/100Mbps	680km Single-mode Fiber	680km	Plastic	1310nm	0°C to 55°C	
DP-1000M-36	10/100Mbps Ethernet to 700km Single-mode Fiber	10/100Mbps	700km Single-mode Fiber	700km	Plastic	1310nm	0°C to 55°C	
DP-1000M-37	10/100Mbps Ethernet to 720km Single-mode Fiber	10/100Mbps	720km Single-mode Fiber	720km	Plastic	1310nm	0°C to 55°C	
DP-1000M-38	10/100Mbps Ethernet to 740km Single-mode Fiber	10/100Mbps	740km Single-mode Fiber	740km	Plastic	1310nm	0°C to 55°C	
DP-1000M-39	10/100Mbps Ethernet to 760km Single-mode Fiber	10/100Mbps	760km Single-mode Fiber	760km	Plastic	1310nm	0°C to 55°C	
DP-1000M-40	10/100Mbps Ethernet to 780km Single-mode Fiber	10/100Mbps	780km Single-mode Fiber	780km	Plastic	1310nm	0°C to 55°C	
DP-1000M-41	10/100Mbps Ethernet to 800km Single-mode Fiber	10/100Mbps	800km Single-mode Fiber	800km	Plastic	1310nm	0°C to 55°C	
DP-1000M-42	10/100Mbps Ethernet to 820km Single-mode Fiber	10/100Mbps	820km Single-mode Fiber	820km	Plastic	1310nm	0°C to 55°C	
DP-1000M-43	10/100Mbps Ethernet to 840km Single-mode Fiber	10/100Mbps	840km Single-mode Fiber	840km	Plastic	1310nm	0°C to 55°C	
DP-1000M-44	10/100Mbps Ethernet to 860km Single-mode Fiber	10/100Mbps	860km Single-mode Fiber	860km	Plastic	1310nm	0°C to 55°C	
DP-1000M-45	10/100Mbps Ethernet to 880km Single-mode Fiber	10/100Mbps	880km Single-mode Fiber	880km	Plastic	1310nm	0°C to 55°C	
DP-1000M-46	10/100Mbps Ethernet to 900km Single-mode Fiber	10/100Mbps	900km Single-mode Fiber	900km	Plastic	1310nm	0°C to 55°C	
DP-1000M-47	10/100Mbps Ethernet to 920km Single-mode Fiber	10/100Mbps	920km Single-mode Fiber	920km	Plastic	1310nm	0°C to 55°C	
DP-1000M-48	10/100Mbps Ethernet to 940km Single-mode Fiber	10/100Mbps	940km Single-mode Fiber	940km	Plastic	1310nm	0°C to 55°C	
DP-1000M-49	10/100Mbps Ethernet to 960km Single-mode Fiber	10/100Mbps	960km Single-mode Fiber	960km	Plastic	1310nm	0°C to 55°C	
DP-1000M-50	10/100Mbps Ethernet to 980km Single-mode Fiber	10/100Mbps	980km Single-mode Fiber	980km	Plastic	1310nm	0°C to 55°C	
DP-1000M-51	10/100Mbps Ethernet to 1000km Single-mode Fiber	10/100Mbps	1000km Single-mode Fiber	1000km	Plastic	1310nm	0°C to 55°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