

# 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)	cm <sup>3</sup>
Packaging Unit Carton	20	10.00	30.00	27.00	55.00	44.55
Packaging Unit Inside	1	0.50	6.00	21.60	16.10	0.00
Packaging Unit Single	1	0.50	6.00	21.60	16.10	0.00
Net single without Packaging	0	0.18	12.00	7.00	2.60	218.40



## More images:

Product Number	SKU Code	Speed	Connector	Distance	Media	Wavelength	Operating Temperature	Additional Features
DA-4000-1	4000000001	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-2	4000000002	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-3	4000000003	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-4	4000000004	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-5	4000000005	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-6	4000000006	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-7	4000000007	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-8	4000000008	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-9	4000000009	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-10	4000000010	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-11	4000000011	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-12	4000000012	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-13	4000000013	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-14	4000000014	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-15	4000000015	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-16	4000000016	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-17	4000000017	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-18	4000000018	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-19	4000000019	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-20	4000000020	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-21	4000000021	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-22	4000000022	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-23	4000000023	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-24	4000000024	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-25	4000000025	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-26	4000000026	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-27	4000000027	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-28	4000000028	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-29	4000000029	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-30	4000000030	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-31	4000000031	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-32	4000000032	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-33	4000000033	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-34	4000000034	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-35	4000000035	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-36	4000000036	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-37	4000000037	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-38	4000000038	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-39	4000000039	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-40	4000000040	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-41	4000000041	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-42	4000000042	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-43	4000000043	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-44	4000000044	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-45	4000000045	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-46	4000000046	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-47	4000000047	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-48	4000000048	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-49	4000000049	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-50	4000000050	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-51	4000000051	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-52	4000000052	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-53	4000000053	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-54	4000000054	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-55	4000000055	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-56	4000000056	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-57	4000000057	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-58	4000000058	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-59	4000000059	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-60	4000000060	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-61	4000000061	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-62	4000000062	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-63	4000000063	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-64	4000000064	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-65	4000000065	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-66	4000000066	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-67	4000000067	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-68	4000000068	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-69	4000000069	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-70	4000000070	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-71	4000000071	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-72	4000000072	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-73	4000000073	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-74	4000000074	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-75	4000000075	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-76	4000000076	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-77	4000000077	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-78	4000000078	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-79	4000000079	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-80	4000000080	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-81	4000000081	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-82	4000000082	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-83	4000000083	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-84	4000000084	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-85	4000000085	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-86	4000000086	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-87	4000000087	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-88	4000000088	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-89	4000000089	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-90	4000000090	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-91	4000000091	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-92	4000000092	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-93	4000000093	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-94	4000000094	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-95	4000000095	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-96	4000000096	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-97	4000000097	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-98	4000000098	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °C	
DA-4000-99	4000000099	10/100Mbps	SC Duplex Fiber	2km	Fiber	1310nm	-10 to 70 °C	
DA-4000-100	4000000100	10/100Mbps	SC Duplex Fiber	2km	Fiber	1550nm	-10 to 70 °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 Schüffel 3  
Lüdenscheid, Germany  
<https://www.assmann.com>  
[info@assmann.com](mailto:info@assmann.com)