

# DIGITUS® Bidirectional Gigabit Media Converter, RJ45 / SC

DN-82123

EAN 4016032307976



## Gigabit Ethernet Media Converter, Singlemode, BiDi Tx1550nm / Rx1310nm, SC connector, 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 Simplex
- Distance up to 20km
- Wavelength: Tx 1550nm / Rx 1310nm
- Singlemode Single 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 9/125µm Fiber Cables
- 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
- Max. Current: 800mA
- Power Consumption: 2.5W
- Suitable Converter for Opposite Side: DN-82122

### Attributes

- Connector 1: RJ45
- Connector 2: SC
- Mode: Singlemode
- Distance (km): 20
- Industrial usage: no
- Broadcasting Mode: Biidirectional
- 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	5.50	13.00	24.00	1,716.00
Packaging Unit Single	1	0.45	5.50	13.00	24.00	1,716.00
Net single without Packaging	1	0.00	2.60	7.00	9.50	0.00

**More images:**

Part Number	SKU Code	Serial	Component	Distance	Reflex	Wavelength	Operating Temperature	Manufacturer
DA-4000-01	4000000001	1010000001	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-02	4000000002	1010000002	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-03	4000000003	1010000003	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-04	4000000004	1010000004	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-05	4000000005	1010000005	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-06	4000000006	1010000006	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-07	4000000007	1010000007	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-08	4000000008	1010000008	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-09	4000000009	1010000009	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-10	4000000010	1010000010	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-11	4000000011	1010000011	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-12	4000000012	1010000012	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-13	4000000013	1010000013	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-14	4000000014	1010000014	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-15	4000000015	1010000015	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-16	4000000016	1010000016	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-17	4000000017	1010000017	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-18	4000000018	1010000018	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-19	4000000019	1010000019	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-20	4000000020	1010000020	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-21	4000000021	1010000021	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-22	4000000022	1010000022	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-23	4000000023	1010000023	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-24	4000000024	1010000024	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-25	4000000025	1010000025	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-26	4000000026	1010000026	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-27	4000000027	1010000027	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-28	4000000028	1010000028	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-29	4000000029	1010000029	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-30	4000000030	1010000030	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-31	4000000031	1010000031	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-32	4000000032	1010000032	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-33	4000000033	1010000033	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-34	4000000034	1010000034	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-35	4000000035	1010000035	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-36	4000000036	1010000036	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-37	4000000037	1010000037	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-38	4000000038	1010000038	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-39	4000000039	1010000039	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-40	4000000040	1010000040	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-41	4000000041	1010000041	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-42	4000000042	1010000042	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-43	4000000043	1010000043	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-44	4000000044	1010000044	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-45	4000000045	1010000045	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-46	4000000046	1010000046	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-47	4000000047	1010000047	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-48	4000000048	1010000048	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-49	4000000049	1010000049	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-50	4000000050	1010000050	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-51	4000000051	1010000051	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-52	4000000052	1010000052	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-53	4000000053	1010000053	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-54	4000000054	1010000054	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-55	4000000055	1010000055	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-56	4000000056	1010000056	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-57	4000000057	1010000057	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-58	4000000058	1010000058	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-59	4000000059	1010000059	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-60	4000000060	1010000060	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-61	4000000061	1010000061	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-62	4000000062	1010000062	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-63	4000000063	1010000063	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-64	4000000064	1010000064	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-65	4000000065	1010000065	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-66	4000000066	1010000066	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-67	4000000067	1010000067	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-68	4000000068	1010000068	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-69	4000000069	1010000069	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus
DA-4000-70	4000000070	1010000070	SC Single-mode Duplex	10km	Male	1310nm	0 to 40°C	Digitus



**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

**EU responsible person**

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

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