

# 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

- Konektor 1: RJ45
- Konektor 2: SC
- Mod: Jednomodni
- Udaljenost (km): 20
- Industrijska uporaba: Ne
- Način emitiranja: Dvosmjerno
- PoE injektor: Ne
- Ethernet brzina: Gigabit

### 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	9.00	30.00	27.00	55.00	44.55
Packaging Unit Inside	1	0.45	5.50	13.00	24.00	1.72
Packaging Unit Single	1	0.45	5.50	13.00	24.00	1.72
Net single without Packaging	0	0.00	2.60	7.00	9.50	172.90

More images:



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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Product Number	SKU Code	Speed	Connector	Distance	Medium	Wavelength	Operating Temperature	Substrate Material
284-0000-01	AK-00000001	10/100Mbps	SC-Multimode OM3	2000m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-02	AK-00000002	10/100Mbps	SC-Multimode OM3	1000m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-03	AK-00000003	10/100Mbps	SC-Multimode OM3	500m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-04	AK-00000004	10/100Mbps	SC-Multimode OM3	200m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-05	AK-00000005	10/100Mbps	SC-Multimode OM3	100m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-06	AK-00000006	10/100Mbps	SC-Multimode OM3	50m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-07	AK-00000007	10/100Mbps	SC-Multimode OM3	25m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-08	AK-00000008	10/100Mbps	SC-Multimode OM3	10m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-09	AK-00000009	10/100Mbps	SC-Multimode OM3	5m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-10	AK-00000010	10/100Mbps	SC-Multimode OM3	2.5m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-11	AK-00000011	10/100Mbps	SC-Multimode OM3	1.25m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-12	AK-00000012	10/100Mbps	SC-Multimode OM3	0.625m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-13	AK-00000013	10/100Mbps	SC-Multimode OM3	0.3125m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-14	AK-00000014	10/100Mbps	SC-Multimode OM3	0.15625m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-15	AK-00000015	10/100Mbps	SC-Multimode OM3	0.078125m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-16	AK-00000016	10/100Mbps	SC-Multimode OM3	0.0390625m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-17	AK-00000017	10/100Mbps	SC-Multimode OM3	0.01953125m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-18	AK-00000018	10/100Mbps	SC-Multimode OM3	0.009765625m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-19	AK-00000019	10/100Mbps	SC-Multimode OM3	0.0048828125m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-20	AK-00000020	10/100Mbps	SC-Multimode OM3	0.00244140625m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-21	AK-00000021	10/100Mbps	SC-Multimode OM3	0.001220703125m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-22	AK-00000022	10/100Mbps	SC-Multimode OM3	0.0006103515625m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-23	AK-00000023	10/100Mbps	SC-Multimode OM3	0.00030517578125m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-24	AK-00000024	10/100Mbps	SC-Multimode OM3	0.000152587890625m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-25	AK-00000025	10/100Mbps	SC-Multimode OM3	0.0000762939453125m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-26	AK-00000026	10/100Mbps	SC-Multimode OM3	0.00003814697265625m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-27	AK-00000027	10/100Mbps	SC-Multimode OM3	0.000019073486328125m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-28	AK-00000028	10/100Mbps	SC-Multimode OM3	0.0000095367431640625m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-29	AK-00000029	10/100Mbps	SC-Multimode OM3	0.00000476837158203125m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-30	AK-00000030	10/100Mbps	SC-Multimode OM3	0.000002384185791015625m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-31	AK-00000031	10/100Mbps	SC-Multimode OM3	0.0000011920928955078125m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-32	AK-00000032	10/100Mbps	SC-Multimode OM3	0.00000059604644775390625m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-33	AK-00000033	10/100Mbps	SC-Multimode OM3	0.000000298023223876953125m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-34	AK-00000034	10/100Mbps	SC-Multimode OM3	0.0000001490116119384765625m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-35	AK-00000035	10/100Mbps	SC-Multimode OM3	0.00000007450580596923828125m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-36	AK-00000036	10/100Mbps	SC-Multimode OM3	0.000000037252902984619140625m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-37	AK-00000037	10/100Mbps	SC-Multimode OM3	0.0000000186264514923095703125m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-38	AK-00000038	10/100Mbps	SC-Multimode OM3	0.00000000931322574615478515625m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-39	AK-00000039	10/100Mbps	SC-Multimode OM3	0.000000004656612873077392578125m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-40	AK-00000040	10/100Mbps	SC-Multimode OM3	0.0000000023283064365386962890625m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-41	AK-00000041	10/100Mbps	SC-Multimode OM3	0.00000000116415321826934814453125m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-42	AK-00000042	10/100Mbps	SC-Multimode OM3	0.00000000058207660913467407171875m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-43	AK-00000043	10/100Mbps	SC-Multimode OM3	0.00000000029103830456733703589375m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-44	AK-00000044	10/100Mbps	SC-Multimode OM3	0.00000000014551915228366851796946875m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-45	AK-00000045	10/100Mbps	SC-Multimode OM3	0.0000000000727595761418342589846875m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-46	AK-00000046	10/100Mbps	SC-Multimode OM3	0.00000000003637978807091712649234375m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-47	AK-00000047	10/100Mbps	SC-Multimode OM3	0.000000000018189894035458563246171875m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-48	AK-00000048	10/100Mbps	SC-Multimode OM3	0.00000000000909494701772928162309375m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-49	AK-00000049	10/100Mbps	SC-Multimode OM3	0.000000000004547473508864641311546875m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-50	AK-00000050	10/100Mbps	SC-Multimode OM3	0.0000000000022737367544323206557734375m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-51	AK-00000051	10/100Mbps	SC-Multimode OM3	0.000000000001136868377216161027886875m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-52	AK-00000052	10/100Mbps	SC-Multimode OM3	0.0000000000005684341886080510139444375m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-53	AK-00000053	10/100Mbps	SC-Multimode OM3	0.00000000000028421709430402550697221875m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-54	AK-00000054	10/100Mbps	SC-Multimode OM3	0.000000000000142108547152012753486109375m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-55	AK-00000055	10/100Mbps	SC-Multimode OM3	0.0000000000000710542735760063767430546875m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-56	AK-00000056	10/100Mbps	SC-Multimode OM3	0.00000000000003552713678800318837152734375m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-57	AK-00000057	10/100Mbps	SC-Multimode OM3	0.00000000000001776356839400159168576369375m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-58	AK-00000058	10/100Mbps	SC-Multimode OM3	0.00000000000000888178419700079584288181875m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-59	AK-00000059	10/100Mbps	SC-Multimode OM3	0.0000000000000044408920985003979214409375m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-60	AK-00000060	10/100Mbps	SC-Multimode OM3	0.00000000000000222044604925019896072046875m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-61	AK-00000061	10/100Mbps	SC-Multimode OM3	0.000000000000001110223024625099480360234375m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-62	AK-00000062	10/100Mbps	SC-Multimode OM3	0.00000000000000055511151231254901801171875m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-63	AK-00000063	10/100Mbps	SC-Multimode OM3	0.00000000000000027755575615627450909009375m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-64	AK-00000064	10/100Mbps	SC-Multimode OM3	0.000000000000000138777878078137254545046875m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-65	AK-00000065	10/100Mbps	SC-Multimode OM3	0.00000000000000006938893903906862727272734375m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-66	AK-00000066	10/100Mbps	SC-Multimode OM3	0.00000000000000003469446951953431363636369375m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-67	AK-00000067	10/100Mbps	SC-Multimode OM3	0.0000000000000000173472347597671681818181875m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-68	AK-00000068	10/100Mbps	SC-Multimode OM3	0.000000000000000008673617379883409090909375m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-69	AK-00000069	10/100Mbps	SC-Multimode OM3	0.000000000000000004336808689941954545454546875m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-70	AK-00000070	10/100Mbps	SC-Multimode OM3	0.0000000000000000021684043449709772727272734375m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-71	AK-00000071	10/100Mbps	SC-Multimode OM3	0.0000000000000000010842021724854886363636369375m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-72	AK-00000072	10/100Mbps	SC-Multimode OM3	0.00000000000000000054210108624274431818181875m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-73	AK-00000073	10/100Mbps	SC-Multimode OM3	0.000000000000000000271050543121372171875m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-74	AK-00000074	10/100Mbps	SC-Multimode OM3	0.0000000000000000001355252715606860859375m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-75	AK-00000075	10/100Mbps	SC-Multimode OM3	0.00000000000000000006776263578034304296875m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-76	AK-00000076	10/100Mbps	SC-Multimode OM3	0.00000000000000000003388131789017152146875m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-77	AK-00000077	10/100Mbps	SC-Multimode OM3	0.000000000000000000016940658945085762634375m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-78	AK-00000078	10/100Mbps	SC-Multimode OM3	0.0000000000000000000084703294725391313171875m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-79	AK-00000079	10/100Mbps	SC-Multimode OM3	0.000000000000000000004235164736269565659375m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-80	AK-00000080	10/100Mbps	SC-Multimode OM3	0.00000000000000000000211758236813282782796875m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-81	AK-00000081	10/100Mbps	SC-Multimode OM3	0.00000000000000000000105879118406441391396875m	Fiber	1310nm	0°C to 40°C	PCB
284-0000-82	AK-00000082	10/100Mbps	SC-Multimode OM3	0.00000				