# DIGITUS DIGITUS двунаправленный Gigabit медиапреобразователь, RJ45 / SC

**DN-82122**
**EAN 4016032307938**

**Gigabit Ethernet Media Converter, Singlemode, BiDi Tx1310nm / Rx1550nm, SC connector, up to 20km**

Медиапреобразователи DIGITUS® идеально подходят перехода от меднокабельных сетей к оптоволоконным. Теперь можно передавать сигналы по оптоволоконным сетям на несколько километров без обновления всей сетевой инфраструктуры. Широкая линейка устройств позволяет удовлетворять любые индивидуальные потребности. Интуитивный интерфейс обеспечивает быструю и легкую установку. Многолетний опыт работы нашей компании и широкий ассортимент продукции позволяют DIGITUS® стать вашим надежным партнером.

**Преобразователь идеально подходит для передачи данных по оптоволокну**

- Преобразование проводных сетевых сигналов в оптоволоконные
- Высокое качество и максимальная отказоустойчивость
- Переход с 10/100/1000Base-TX на 1000Base-LX
- Разъемы: 1x RJ45, 1x SC Simplex
- Расстояние до 20 км
- Длина волны: Tx 1310 нм / Rx 1550 нм
- Одномодовое одиночное волокно
- Функция автоматического распознавания кабеля – Auto-MDI-/MDI-X
- Автоматическое распознавание полудуплекса и дуплекса
- Светодиодные индикаторы диагностики для контроля статуса и работы
- Функция Link Fault Pass Through (LFP) для легкого управления сетью
- Подходит для оптических кабелей 9/125 мкм
- Поддерживаемые стандарты: IEEE 802.3 Ethernet, IEEE 802.3u Fast Ethernet, IEEE 802.3z Gigabit Ethernet
- 2 МБ буфер данных
- Диапазон рабочих температур: 0 to 60°C
- Размеры (Д x Ш x В): 95 x 70 x 26 мм
- Вес: 200 г
- Автономный преобразователь с внешним питанием
- Напряжение источника питания: 5 В, пост. тока
- Макс. ток: 800 мА
- Потребляемая мощность: 2.5 Вт
- Подходящий коннектор для противоположной стороны: DN-82123

**Attributes**

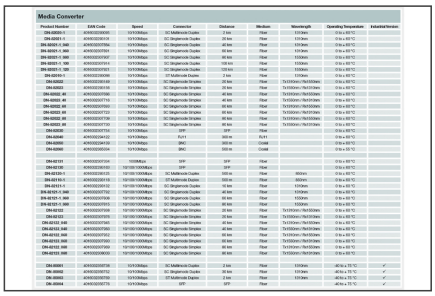
- Connector 1: RJ45
- Connector 2: SC
- Mode: Singlemode
- Distance (km): 20
- Industrial usage: no
- Broadcasting Mode: Biidirectional
- PoE injector: no
- Ethernet speed: Gigabit

**Package contents**

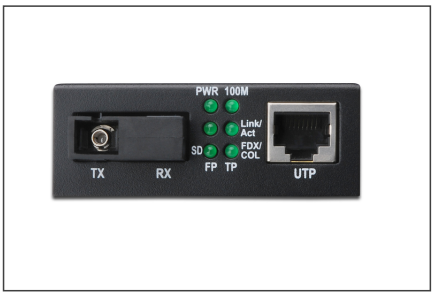
- Медиа конвертер
- Краткое практическое руководство
- Блок питания

| **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:**



| Media Converter | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Product Number | EAN Code | Speed | Connector | Distance | Medium | Wavelength | Operating Temperature | Industrial Version |
| DN-82001-1 | 4260020000000 | 10/100Mbps | SC Multimode Duplex | 2 km | Fiber | 1310nm | 0 to +50 °C | |
| DN-82001-1 | 4260020000016 | 10/100Mbps | SC Singlemode Duplex | 20 km | Fiber | 1310nm | 0 to +50 °C | |
| DN-82001-1_040 | 4260020000054 | 10/100Mbps | SC Singlemode Duplex | 40 km | Fiber | 1310nm | 0 to +50 °C | |
| DN-82001-1_060 | 4260020000061 | 10/100Mbps | SC Singlemode Duplex | 60 km | Fiber | 1310nm | 0 to +50 °C | |
| DN-82001-1_080 | 4260020000597 | 10/100Mbps | SC Singlemode Duplex | 80 km | Fiber | 1550nm | 0 to +50 °C | |
| DN-82001-1_100 | 4260020000191 | 10/100Mbps | SC Singlemode Duplex | 100 km | Fiber | 1550nm | 0 to +50 °C | |
| DN-82001-1_120 | 4260020000801 | 10/100Mbps | SC Singlemode Duplex | 120 km | Fiber | 1550nm | 0 to +50 °C | |
| DN-82001-1_160 | 4260020000818 | 10/100Mbps | SC Singlemode Duplex | 160 km | Fiber | 1550nm | 0 to +50 °C | |
| DN-82002 | 4260020000436 | 10/100Mbps | SC Singlemode Duplex | 20 km | Fiber | 1Tx1550nm / Rx1310nm | 0 to +50 °C | |
| DN-82003 | 4260020000535 | 10/100Mbps | SC Singlemode Simplex | 20 km | Fiber | 1Tx1310nm / Rx1550nm | 0 to +50 °C | |
| DN-82002_40 | 4260020000658 | 10/100Mbps | SC Singlemode Simplex | 40 km | Fiber | 1Tx1550nm / Rx1310nm | 0 to +50 °C | |
| DN-82003_40 | 4260020000719 | 10/100Mbps | SC Singlemode Simplex | 40 km | Fiber | 1Tx1310nm / Rx1550nm | 0 to +50 °C | |
| DN-82002_80 | 4260020000900 | 10/100Mbps | SC Singlemode Simplex | 80 km | Fiber | 1Tx1550nm / Rx1310nm | 0 to +50 °C | |
| DN-82003_80 | 4260020000733 | 10/100Mbps | SC Singlemode Simplex | 80 km | Fiber | 1Tx1310nm / Rx1550nm | 0 to +50 °C | |
| DN-82002_80 | 4260020000788 | 10/100Mbps | SC Singlemode Simplex | 80 km | Fiber | 1Tx1550nm / Rx1310nm | 0 to +50 °C | |
| DN-82003_80 | 4260020000733 | 10/100Mbps | SC Singlemode Simplex | 80 km | Fiber | 1Tx1310nm / Rx1550nm | 0 to +50 °C | |
| DN-82004 | 4260020000740 | 10/100Mbps | RJ45 | 100 m | RJ45 | | 0 to +50 °C | |
| DN-82040 | 4260020040432 | 10/100Mbps | RJ11 | 300 m | RJ11 | | 0 to +50 °C | |
| DN-82000 | 4260020040319 | 10/100Mbps | BNC | 300 m | Coaxial | | 0 to +50 °C | |
| DN-82000 | 4260020000344 | 10/100Mbps | BNC | 300 m | Coaxial | | 0 to +50 °C | |
| | | | | | | | | |
| DN-82101 | 4260020000344 | 1000Mbps | SFP | SFP | Fiber | | 0 to +50 °C | |
| DN-82100 | 4260020000351 | 10/100/1000Mbps | SFP | SFP | Fiber | | 0 to +50 °C | |
| DN-82101-1 | 4260020000375 | 10/100/1000Mbps | SC Multimode Duplex | 2 km | Fiber | 850nm | 0 to +50 °C | |
| DN-82101-1 | 4260020000139 | 10/100/1000Mbps | ST Multimode Duplex | 550 m | Fiber | 850nm | 0 to +50 °C | |
| DN-82101-1 | 4260020000122 | 10/100/1000Mbps | SC Singlemode Duplex | 10 km | Fiber | 1310nm | 0 to +50 °C | |
| DN-82101-1_040 | 4260020000702 | 10/100/1000Mbps | SC Singlemode Duplex | 40 km | Fiber | 1310nm | 0 to +50 °C | |
| DN-82101-1_060 | 4260020000696 | 10/100/1000Mbps | SC Singlemode Duplex | 60 km | Fiber | 1550nm | 0 to +50 °C | |
| DN-82101-1_080 | 4260020000153 | 10/100/1000Mbps | SC Singlemode Duplex | 80 km | Fiber | 1550nm | 0 to +50 °C | |
| DN-82102 | 4260020000108 | 10/100/1000Mbps | SC Singlemode Simplex | 20 km | Fiber | 1Tx1310nm / Rx1550nm | 0 to +50 °C | |
| DN-82103 | 4260020000092 | 10/100/1000Mbps | SC Singlemode Simplex | 20 km | Fiber | 1Tx1550nm / Rx1310nm | 0 to +50 °C | |
| DN-82102_040 | 4260020000665 | 10/100/1000Mbps | SC Singlemode Simplex | 40 km | Fiber | 1Tx1310nm / Rx1550nm | 0 to +50 °C | |
| DN-82103_040 | 4260020000672 | 10/100/1000Mbps | SC Singlemode Simplex | 40 km | Fiber | 1Tx1550nm / Rx1310nm | 0 to +50 °C | |
| DN-82102_060 | 4260020000702 | 10/100/1000Mbps | SC Singlemode Simplex | 60 km | Fiber | 1Tx1310nm / Rx1550nm | 0 to +50 °C | |
| DN-82103_060 | 4260020000900 | 10/100/1000Mbps | SC Singlemode Simplex | 60 km | Fiber | 1Tx1550nm / Rx1310nm | 0 to +50 °C | |
| DN-82102_080 | 4260020000948 | 10/100/1000Mbps | SC Singlemode Simplex | 80 km | Fiber | 1Tx1310nm / Rx1550nm | 0 to +50 °C | |
| DN-82103_080 | 4260020000600 | 10/100/1000Mbps | SC Singlemode Simplex | 80 km | Fiber | 1Tx1550nm / Rx1310nm | 0 to +50 °C | |
| | | | | | | | | |
| DN-80001 | 4260020000726 | 10/100Mbps | SC Multimode Duplex | 2 km | Fiber | 1310nm | -40 to + 75 °C | ✓ |
| DN-80002 | 4260020000733 | 10/100Mbps | SC Singlemode Duplex | 30 km | Fiber | 1310nm | -40 to + 75 °C | ✓ |
| DN-80003 | 4260020000740 | 10/100Mbps | ST Multimode Duplex | 2 km | Fiber | 1310nm | -40 to + 75 °C | ✓ |
| DN-80004 | 4260020000779 | 10/100Mbps | SFP | SFP | Fiber | | -40 to + 75 °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

**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