DIGITUS® 10/100/1000 Base-TX to 1000 Base-FX Industrial Media Converter

DN-652103-1

EAN 4016032488200



Industrial Gigabit Ethernet Media Converter, SFP SFP Open Slot, without SFP Module

Digitus DN-652103-1 10/100/1000 Base-TX to 1000 Base-FX Industrial Media Converter, extends communication distance with stable performance via fiber optic wire. The Digitus DN-652103-1 series is specifically equipped with durable components and strong housing case to operate reliably in electrically harsh and climatically demanding environments. The industrial level media converter provides a high level of immunity to electromagnetic interference and heavy electrical surges which are usually found on plant floors or traffic control cabinets on sidewalk. Being able to operate under the temperature range from -40⊠ to 80⊠ allows the Digitus DN-652103-1 series to be placed in almost any difficult environment. Digitus DN-652103-1 10/100/1000 Base-TX to 1000 Base-FX Industrial Media Converter series efficiently converts data between 10/100/1000 Base-TX and 1000 Base-FX network. The Digitus DN-652103-1 series provides the flexibility to all kinds of 10/100/1000 Mbps Ethernet Media on RJ-45 port and performs highly stable fiber performance. The Digitus DN-652103-1 series is packaged in a compact IP40 case that allows either DIN rail or panel mounting to have efficient usage of cabinet space. It provides an integrated power supply with a wide range of voltages for worldwide operation. It also offers dual-redundant, reversible polarity 12V DC to 48V DC power supply inputs for high availability applications requiring dual or backup power inputs.

Digitus DN-652103-1 10/100/1000 Base-TX to 1000 Base-FX Industrial Media Converter, extends communication distance with stable performance via fiber optic wire.

- The use of a high-quality photoelectric integration module with good optical and electrical properties
- Guarantees reliable data transmission and a long service life
- Supports full-duplex or half-duplex mode, with automatic negotiation option
- Support for network connections with automatic cross detection
- Internal storage and forwarding mechanism, supports a wide range of protocols
- In accordance with industrial operating standards, the average trouble-free operation is more than 300,000 hours
- Redundant power supply: DC 12-48V with reverse polarity protection
- Interface: 1 port 10/100/1000 Base-Tx RJ-45 with auto-negotiation and auto-MDI/ MDI-X function, 1-port 1000 Base-Fx interface SFP connection, multi-mode up to 2km, single-mode up to 20km/40km/60km/80km
- 10/100/1000 Base-TX connection: 1 connection RJ-45 auto-MDI / MDI-X
- 1000 Base-FX connection: 1 SFP slot
- Fiber connection type: Varies depending on the module
- Optical frequency: Varies depending on the SFP module
- Performance specification: Bandwidth: 14 Gbps, Packet buffer memory: 1.2 Mbit, Packet forwarding rate: 10.5 Mpps, MAC address table: 2K
- Installation: DIN rail
- Flow control: Back pressure for half duplex, IEEE 802.3x pause frame for full duplex
- Protection class: IP40 Aluminum housing
- LED display: Power: Red, Fiber: Link 2(Green), Ethernet: Yellow
- Power input: 12 to 48V DC redundant power supply
- Power consumption: < 3 watts
- Overvoltage protection: ±4KV
- Network protocols: IEEE802.3i 10 Base-T; IEEE802.3u;100 Base-TX/FX; IEEE802.3ab 1000 Base-T; IEEE802.3z 1000 Base-X; IEEE802.3x
- Network cable: 10 BASE-T: Cat3,4,5 UTP(⊠100 meters), 100 BASE-TX: Cat5 or higher UTP (⊠100 meters), 1000 BASE-TX: Cat6 or higher UTP (⊠100 meters)
- Industry standard: FCC CFR47 Part 15, EN55032 Class A,⊠IEC61000-4-2 (ESD): ±8kV (contact), ±12kV (air),⊠IEC61000-4-3 (RS): 10V/m (80~1000MHz),⊠IEC61000-4-4 (EFT): Mains connection: ±4kV; Data connection: ±2kV,⊠IEC61000-4-5 (overvoltage): Power connection: ±2kV/DM, ±4kV/CM; data connection: ±2kV,⊠IEC61000-4-6 (CS): 3V (10kHz-150kHz); 10V (150kHz-80MHz),⊠IEC61000-4-16 (Gleichtaktleitung): 30V (continuous), 300V (1s)
- MTBF: >300,000 hours
- Dimensions (W x D x H): 118x 92.4 x 40 mm
- Weight: Product weight: 0.4KG, Packaging weight: 0.53KG
- Working environment: Working temperature: -40⊠80⊠,⊠Storage temperature: -40⊠80⊠,⊠Relative humidity: 5%~95% (no condensation)
- Automatic cable detection - Auto MDI / MDI-X function
- DDM support: no

Attributes

- Connector 1: RJ45
- Connector 2: SFP
- Connector: RJ45
- Distance (km): Depending on module
- DDM Support: no
- Industrial usage: yes
- Broadcasting Mode: Depending on module
- PoE injector: no
- Connection: SFP+

- Ethernet speed: Gigabit

Package contents

- Industrial Media Converter
- User manual

Logistics						
	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm³
Packaging Unit Carton	24	14.60	46.50	39.50	24.00	44,082.00
Packaging Unit Inside	1	0.61	0.00	0.00	0.00	0.00
Packaging Unit Single	1	0.61	5.40	13.50	16.50	1,202.85
Net single without Packaging	1	0.46	3.40	8.60	12.80	0.00

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.

ASSMANN Electronic GmbH
Auf dem Schüffel 3
Lüdenscheid, Germany
https://www.assmann.com
info@assmann.com