

DH-OTE100R-G

Ethernet Optical Transceiver



- The Ethernet optical transceiver easily adapts to non-standard indoor machine rooms.
- Ideal for scenes that require large bandwidth and long distance transmission.
- Provides electro-optical switching for transmission between devices. Highly reliable and has protection against lightning.

System Overview

The Ethernet Media Converter comes with a gigabit Ethernet port and a gigabit SC optical port. It supports a transmission wavelength of 1,550 nm and a reception wavelength of 1,310 nm. The receiving device must be used together with the transmitting device.

Functions

Plug and Play

Hassle-free, it does not require any configuration. Simply use after it is powered on.

Wide Operating Temperature

Supports working at ambient temperatures of -10°C to $+55^{\circ}\text{C}$, and has built-in professional lightning-proof circuits that effectively reduce the impact of thunderstorms on network systems and improve system robustness, allowing the device to adapt to harsh environments.

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Thanks to the excellent architecture, operating reliability is increased. The switch can keep running all the time.

Scene

Suitable for scenes that require long distance data transmission, such as schools, enterprises, hospitals, government and chain business.

Specification

Hardware

| | |
|-------------------------|---|
| Wavelength | 1550 nm TX, 1310 nm RX |
| Built-in Optical Module | Yes |
| Input Voltage | 5–12 VDC |
| Max. Power Consumption | <2 W |
| Operating Temperature | -10°C to $+55^{\circ}\text{C}$ (14°F to $+131^{\circ}\text{F}$) |
| Operating Humidity | 5%–95% (RH), non-condensing |
| Storage Temperature | -10°C to $+60^{\circ}\text{C}$ (14°F to $+140^{\circ}\text{F}$) |
| Storage Humidity | 5%–95% (RH), non-condensing |
| Optical Fiber Type | Single-Mode Fiber |
| Optical Port Type | SC |
| Type | Fixed |
| Casing Material | Steel |

Performance

| | |
|-----------------------|-----------------------|
| Ethernet Port Speed | 1 × 10/100/1000Base-T |
| Optical Port Speed | 1 × 1000Base-X |
| Transmission Distance | 20 km |

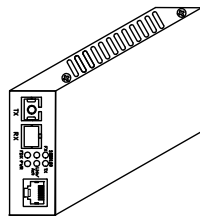
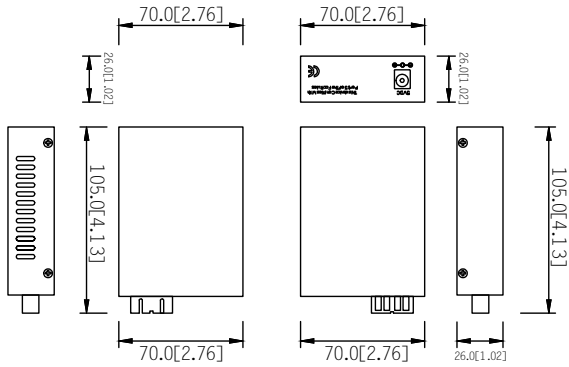
General

| | |
|----------------------|---|
| Heat Dissipation | Natural heat dissipation |
| Protection | IP30 |
| Product Dimensions | 105 mm × 70 mm × 26 mm (4.13" × 2.76" × 1.02") (L × W × H) |
| Packaging Dimensions | 212 mm × 118 mm × 58 mm (8.35" × 4.65" × 2.28") (L × W × H) |

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|----------------|--|
| Net Weight | 0.15 kg (0.33 lb) |
| Gross Weight | 0.3 kg (0.66 lb) |
| Installation | Desktop; integrated cabinet; wall mount (need to customize hanger) |
| Certifications | CE |

Dimensions (mm[inch])



Application

