

# DH-OTE100T-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 1,310 nm and a reception wavelength of 1,550 nm. The transmitting device must be used together with the receiving 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  $-10^{\circ}\text{C}$  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.

#### 24/7

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	1310 nm TX, 1550 nm RX
Built-in Optical Module	Yes
Input Voltage	5–12 VDC
Max. Power Consumption	<2 W
Operating Temperature	$-10^{\circ}\text{C}$ to $+55^{\circ}\text{C}$ ( $14^{\circ}\text{F}$ to $+131^{\circ}\text{F}$ )
Operating Humidity	5%–95% (RH), non-condensing
Storage Temperature	$-10^{\circ}\text{C}$ to $+60^{\circ}\text{C}$ ( $14^{\circ}\text{F}$ 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

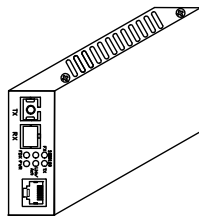
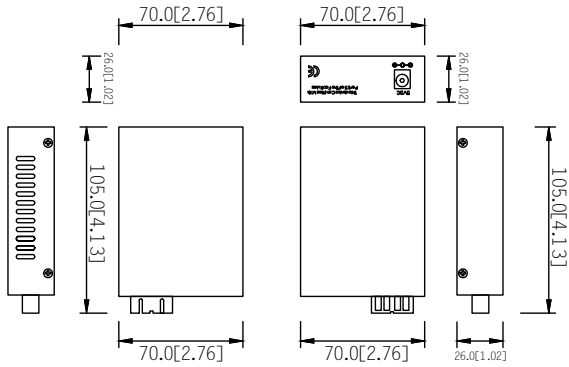
#### General

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

