# OGEC-1100 Series

**10/100/1000 T(X) to Fiber Optic Gigabit Industrial Switches**

## Introduction

The OGEC-1100 series are 10/100/1000Base-T to 1000Base-X non-managed Industrial Switch that enables you to extend your network to longer distances. This series not only increases the speed of your network server, but also make Gigabit to the desktop/wall mount a reality. Generally, OGEC-1100 series is a high-performance solution for your network.

OGEC-1100 series is available in types of stand-alone box type and module/card type to meet versatile field installation demands like on desktop, wall-mount and rackmount. A 19-inch chassis can be used to accommodate up to 16 pieces of OGEC-1100 modules as an economic installation to save space in the control center. All OGEC-100C models are subjected to a 100% burn-in test, and they support an operating temperature range of 0 to 75°C.

## Features

- Fixed Full-Duplex on Fiber
- Auto-MDI/MDIX on copper port
- Plug and Play, no configuration required
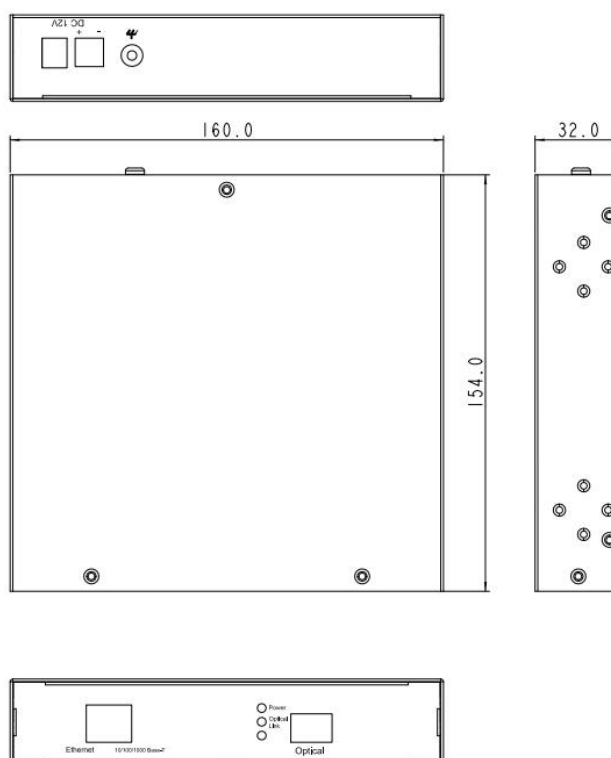- Hot Swappable

## Specifications

| | | | |
|---|---|---|---|
| Standard | IEEE 802.3 10Base-T Ethernet<br>IEEE 802.3u 100Base-TX Fast Ethernet<br>IEEE 802.3ab 1000Base-T Gigabit Ethernet<br>IEEE 802.3z 1000Base-X Gigabit Ethernet<br>IEEE802.3x traffic and back pressure | | |
| LAN | 10/100/1000Base-T(X), 1000Base-X | | |
| Jumbo Frame Size | 10Kbytes | | |
| Transmission Distance | Ethernet | 100m | |
| | Fiber | Multi-mode | 500m<br>*customized model up to 2km |
| | | Single mode | 20km<br>*customized model up to 120km |
| Transmission Speed | Ethernet | 10/100/1000Mbps | |
| | Fiber | 1000Mbps | |
| Optical Fiber | Multi-mode | Wavelength: 1310nm<br>Tx Power: -9/-12dBm<br>Rx Sensitivity: -24dBm<br>Parameters:  50/125μm, 62.5/125μm | |
| | Single mode | Wavelength: 1310nm/1550nm<br>Tx Power: -2/-9dBm<br>Rx Sensitivity: -20dBm<br>Parameters: 9/125μm | |
| Auto MDI/MDIX | Yes (automatic detection of straight or crossover twisted pair cables) | | |
| Connectors | 1 x RJ-45 | | |

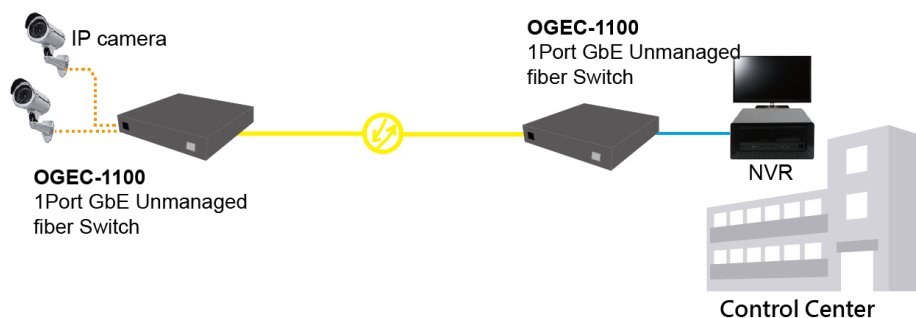| | 1 x SFP slot |
|---|---|
| LED Indicators | Power: Pwr<br>Fiber: Link<br>Ethernet: Act |
| Power Input | Redundant power input: DC Jack & Terminal block<br>Unit accepts 12 to 24VDC (External power supply) |
| Power Consumption | 3.5W |
| Dimensions (WxDxH) | 160 x 155 x 32 mm |
| Weight | 420g (box) / 220g (card) |
| Enclosure | metal shell |
| Installation | Wall/Desktop |
| Power Reverse | Support |
| Overload Current | Support |
| Operating temperature | -40 °C ~ 75°C |
| Storage temperature | -40 °C ~ 85°C |
| Operating humidity | 5 ~ 95% (Non-condensing) |
| Storage humidity | 0 ~ 95% (Non-condensing) |
| MTBF | >50000 Hours |
| Safety | EN60950-1, IEC60950-1 |
| Certification Compliance | CE, FCC, VCCI, C-Tick |
| EMC | EN61000-4-5 |
| RoHS | Yes |

## Dimensions

Unit: mm

## Application

### Outdoor Surveillance

IP camera

**OGEC-1100**
1Port GbE Unmanaged
fiber Switch

**OGEC-1100**
1Port GbE Unmanaged
fiber Switch

NVR

**Control Center**

### Data Communication

**OGEC-1100**
1Port GbE Unmanaged
fiber Switch

Gigabit Switch

Gigabit Switch

**OGEC-1100**
1Port GbE Unmanaged
fiber Switch

## Ordering Information

| Model Name | Description |
|---|---|
| OGEC-1100 BOX SFP | 10/100/1000Base-T to 1000Base-X media converter without SFP module |
| OGEC-1100 SM-SC-BIDI-20 | 10/100/1000Base-T to 1000Base-X media converter with Single Mode SC BiDi SFP module (single fiber), 20KM |
| OGEC-1100 MM-SC-BIDI-2 | 10/100/1000Base-T to 1000Base-X media converter with Multi-Mode SC BiDi SFP module (single fiber), 2KM |
| OGEC-1100 SM-LC-2F-20 | 10/100/1000Base-T to 1000Base-X media converter with Single Mode LC SFP module (dual fibers), 20KM |
| OGEC-1100 MM-LC-2F-2 | 10/100/1000Base-T to 1000Base-X media converter with Multi-Mode LC SFP module (dual fibers), 2KM |

**More information please check on our website at www.hoatech.com.tw**