*Industrial mini type extended media converter with 1x100Base-TX to 1xEthernet extender, Terminal block socket*
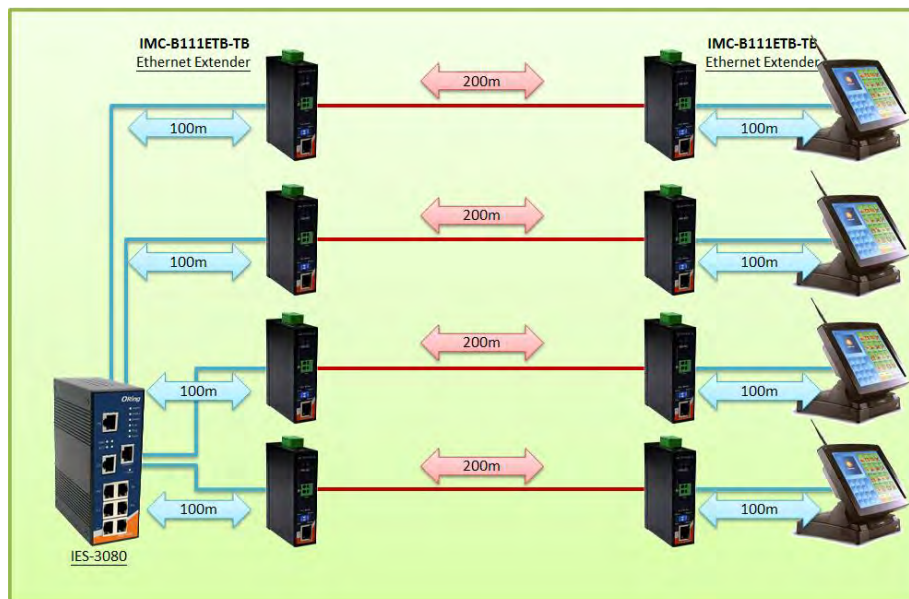
## Features

➢ Extend Ethernet distance up to 300m (984 feet) over UTP cable or up to 200m (656 feet) over 24AWG none-UTP cable

➢ Supports 2-wired transmission

➢ Provided DIP-Switch to selecting Auto/Manual mode for Master/Slave setting

➢ Supports Auto mode to auto-negotiation for master/slave mode switching

➢ Ethernet port support full/half duplex operation

➢ Ethernet port support Auto MDI/MDI-X switching function

➢ Redundant 12~48VDC power inputs with Terminal Block

➢ Rigid IP-30 mini-type housing design
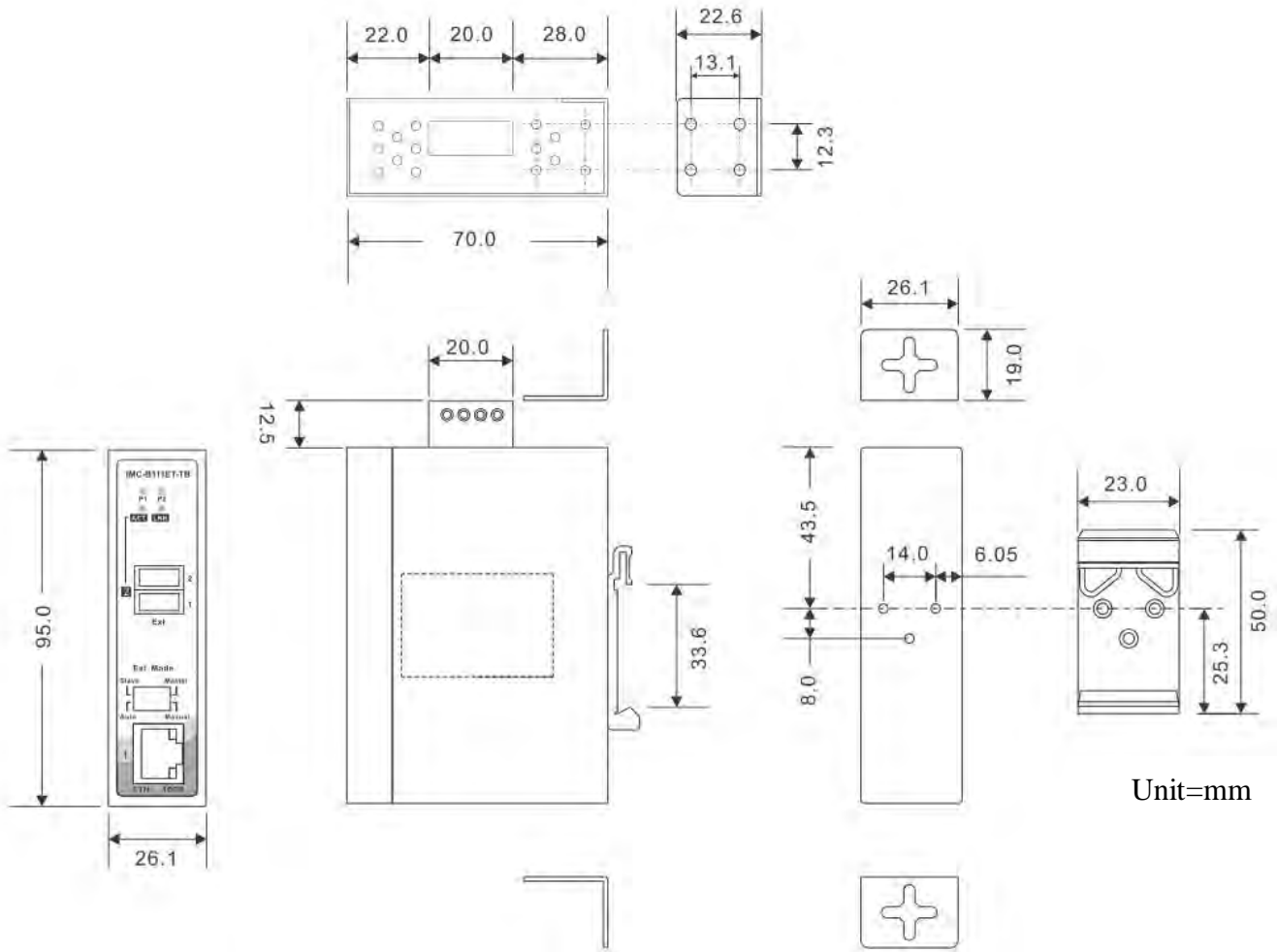
➢ DIN-Rail and wall mounting enabled

## Introduction

IMC-B111ETB-TB is a cost-effective solution for extending an Ethernet connection beyond its inherent distance limitation. IMC-B111ETB-TB can extend the distance to 300 meters using a UTP cable or 200meters using a 24AWG cable. IMC-B111ETB-TB supports 2-wired transmission. IMC-B111ETB-TB provides a wide operating temperature range from -40~75°C, making it suitable for harsh operating environments.

**Connections of Media Converter**

Unit=mm

## Specifications

| ORing Extended Converter Model | IMC-B111ETB-TB |
|---|---|
| **Physical Ports** | |
| 100Base-TX Port in RJ45 Auto MDI/MDIX | 1 |
| 100Mbps Ethernet Extender Ports in Terminal Block | 1 (support 2-wired) |
| **Technology** | |
| Ethernet Standards | IEEE 802.3u for 100Base-TX |
| Processing | Store-and-Forward |
| **LED Indicators** | |
| Power indicator | Green : Power LED x 2 |
| 100Base-T(X) RJ45 Port Indicator | Green LED for Link indicator.    Amber LED for Ack indicator |
| Ethernet Extender Indicator | Green LED for Link indicator.    Amber LED for Ack indicator. |
| **DIP-Switch** | |
| DIP-Switch Setting | DIP-switch 1 for master/slave mode select : (On) Master mode, (Off) slave mode<br>DIP-switch 2 for Auto/Manual mode select :<br>   (On) Manual mode ~ Extender need to manual setting master mode or slave mode follow the DIP-switch 1 setting<br>   (Off) Auto mode ~ Extender will be auto negotiation and auto setting master or slave mode |
| **Power** | |
| Input power | Dual 12 ~ 48VDC power inputs. |

| Power consumption (Typ.) | 2 Watts |
| --- | --- |
| Overload current protection | Present |
| **Physical Characteristic** | |
| Enclosure | IP-30 |
| Dimension (W x D x H) | 26.1 (W) x 70 (D) x 95 (H)mm (1.03 x 2.76 x 3.74 inch) |
| Weight (g) | 240 g |
| **Environmental** | |
| Storage Temperature | -40 to 85$^o$C (-40 to 185$^o$F) |
| Operating Temperature | -40 to 75$^o$C (-40 to 167$^o$F) |
| Operating Humidity | 5% to 95% Non-condensing |
| **Regulatory Approvals** | |
| EMI | FCC Part 15, CISPR (EN55022) class A |
| EMS | EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11 |
| Shock | IEC60068-2-27 |
| Free Fall | IEC60068-2-32 |
| Vibration | IEC60068-2-6 |
| Safety | EN60950-1 |
| **Warranty** | 5 years |

## Ordering Information

IMC-B1 A B ETB- CC

| Code Definition | 100Base-T(X) Port Number | 100Mbps Ethernet Extender Port Number | Ethernet Extender Port Type |
| --- | --- | --- | --- |
| Option | **- 1:** 1 port | **- 1:** 1 port | **- TB:** Terminal block interface |

| Available Model | Model Name | Description |
| --- | --- | --- |
| | **IMC-B111ETB-TB** | Industrial mini type extended media converter with 1x100Base-TX to 1xEthernet extender, Terminal block socket |

## Packing List

- IMC-B111ETB-TB x 1
- Quick Installation Guide x 1
- DIN-Rail Kit x 1
- Wall-mount Kit x 1

# Optional Accessories

- DR-45 series : 45 Watts DIN-Rail power supply

- DR-75 series : 75 Watts DIN-Rail power supply

- DR-120 series : 120 Watts DIN-Rail power supply