

# Quick Start Guide

## 10BASE-T1L-MC: 10BASE-T1L to 10BASE-T Media Converter Platform

### 1. Product Unboxing

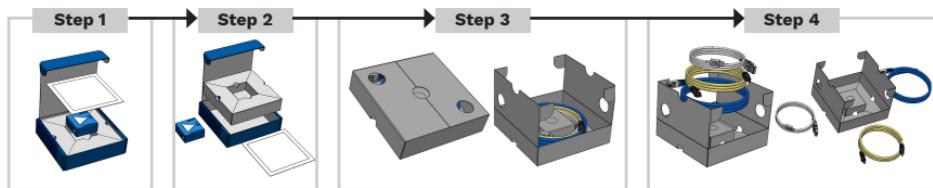


Figure 1 Unboxing Steps

### 2. Kit Contents

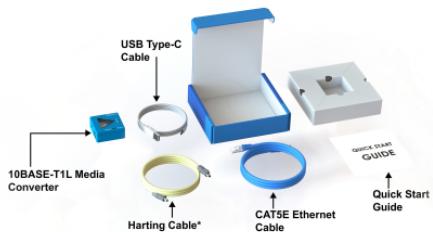


Figure 2 Kit Contents

1. 10BASE-T1L to 10BASE-T Media Converter Platform
2. USB type-A to type-C Cable for power supply
3. SPE Harting Cable Assembly (33280101001005) with IEC63171-6 connectors
4. CAT5E Ethernet Cable Assembly with RJ45 connectors
5. Quick Start Guide

**Note:** \* indicates the item is not provided in every kit along with 10BASE-T1L Media Converter Device.

### 3. Product Overview



Figure 3 Top view of 10BASE-T1L MC

USB Type-C Connector for Power Supply  
Standard Ethernet Link Status LED  
Standard Ethernet Activity Status LED



Figure 4 Side view of 10BASE-T1L MC

10BASE-T1L Terminal Block  
10BASE-T1L IEC63171-6 Connector

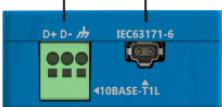
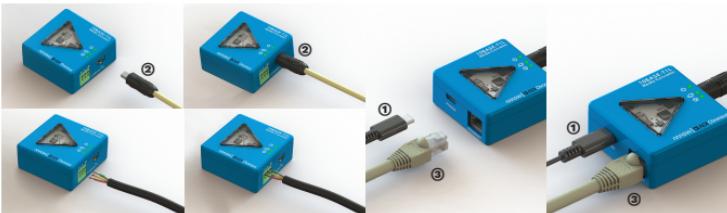


Figure 5 Side view of 10BASE-T1L MC

#### 3.1 Features

1. The 10BASE-T1L-MC is used for media conversion between two analog devices PHYs, 10BASE-T1L PHY (ADIN1100CCPZ) and Standard 10BASE-T PHY (ADIN1200CCP32Z).
2. Operates on  $+5V \pm 10\%$ , 500mA USB supply over type-C connector
3. Screwless terminal block to connect all types of 10BASE-T1L SPE cable
4. SPE connector supporting IEC63171-6, one of the SPE connector standards.
5. Shielded RJ45 connector with LEDs to access 10BASE-T
6. Both the PHYs supports 10Mbps full-duplex auto-negotiation mode.

#### 3.2 Device cable connections



① **Type-C Cable**

**Note:** In 10BASE-T1L MC, at a time only single connector, Harting or Terminal Block can be connected based on the application

② **Harting SPE Cable**

③ **CAT5E Cable**