

# EL50 Series

Mini-Sized 10/100BASE-TX to 100BASE-FX Media Converter



## Overview

The EL50 Series provides media conversion between 10/100BASE-T(X) and 100BASE-FX Fiber. Easy plug-and-play design facilitates network infrastructure construction. The EL50 series is designed for SC or ST fiber connection applications. The compact size of EL50 is suitable for space limit installation and EL50 is the ideal media converter for enterprise environments.

EtherWAN – “When Connectivity is Crucial”.

## Spotlight

- **Mini-Sized Media Converter**
  - Supports SC/ST/WDM and both single mode and multi-mode fiber connectors
- **Plug-and-Play Media Converter**
  - Easy installation, plug-and-play without additional configuration, providing store-and-forward data transmission
- **UL60950-1 Certification**
  - Certified by UL60950-1 standard and providing protections to installers from risk of injury or damage

# Hardware Specifications

## Technology

### Standards

- IEEE802.3 10BASE-T
- IEEE802.3u 100BASE-TX/100BASE-FX

### Forward and Filtering Rate

- 14,880pps for 10Mbps
- 148,810pps for 100Mbps

### Packet Buffer Memory

- 128K bits

### Processing Type

- Store-and-Forward

## Power

### Input

- DC Jack : 12VDC, 1.92W MAX. 0.08A
- Terminal Block : 24VAC, 0.17A

### Power Consumption

- 1.92W Max. 0.16A @ 12VDC

## Mechanical

### Casing

- Metal case

### Dimensions

- 54.2mm (W) x 80.3mm (D) x 21.9mm (H)  
(2.13" (W) x 3.16" (D) x 0.86" (H))

### Weight

- 140g (0.31lb.)

### Installation

- Desktop

## Interface

### Ethernet Port

- 10/100BASE-TX: 1 port
- 100BASE-FX: 1 port

### LED Indicators

- Per Port 10/100TX: Link/Activity
- Per port 100FX: Link/Activity

## Environment

### Operating Temperature

- 0°C to 45°C (32°F to 113°F)

### Storage Temperature

- -10°C to 70°C (14°F to 158°F)

### Ambient Relative Humidity

- 5% to 95% (non-condensing)

## Regulatory Approvals

### ISO

- Manufactured in an ISO9001 facility

## Safety

### UL60950-1

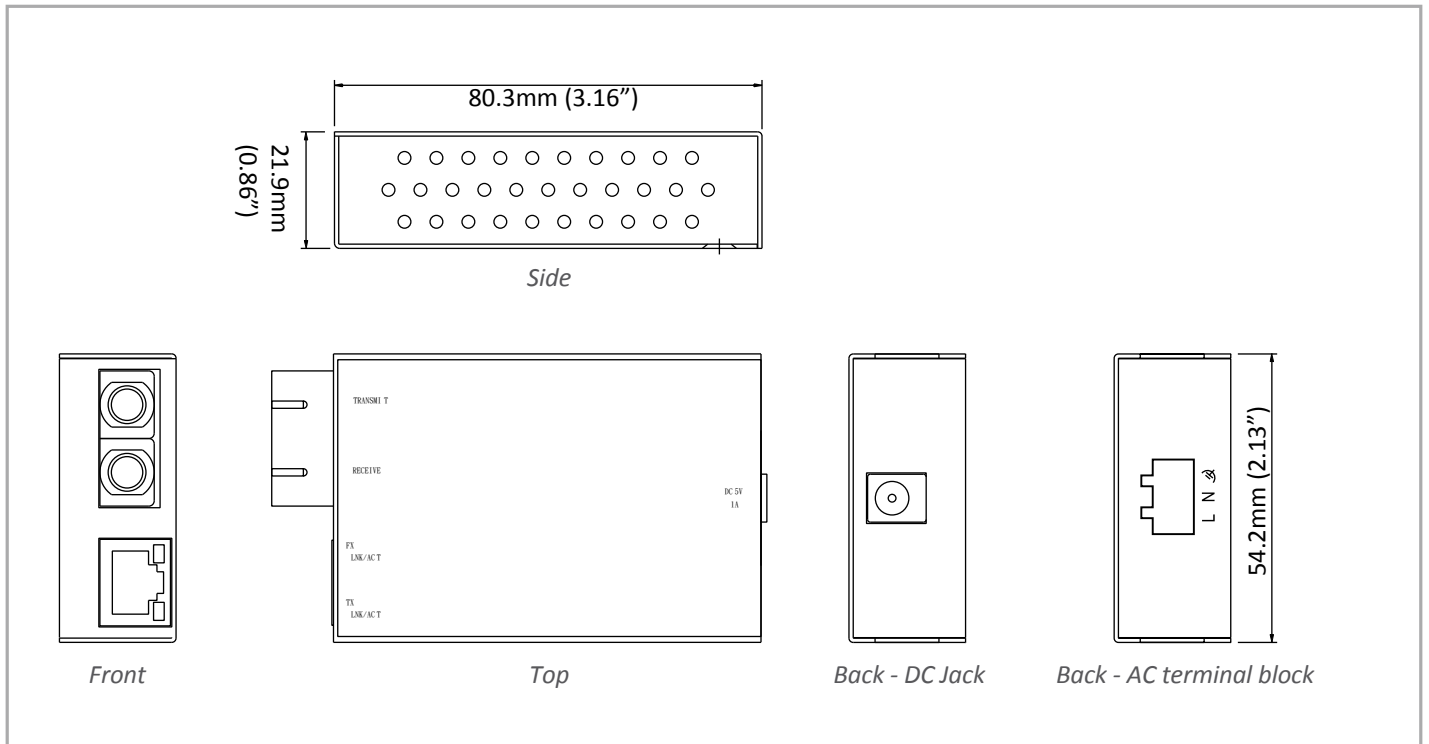
## Emission Compliances

### CE Mark Class A

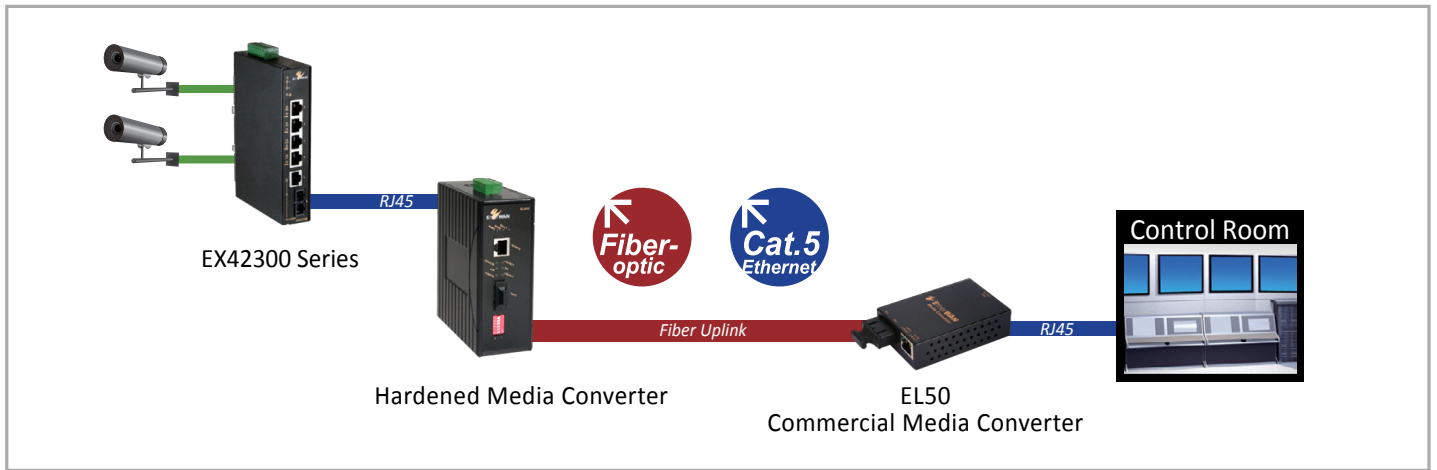
### FCC Part 15B Class A

### VCCI Class A

## Dimensions



## Application Diagram



## Ordering Information

### Model

|                     |   |
|---------------------|---|
| <b>EL50XX-YY-ZZ</b> | 10/100BASE-TX to 100BASE-FX Media Converter |
|---------------------|---|

### 100FX Fiber Type-Distance Options (XX-YY)

|              |  |
|--------------|--|
| <b>T</b>     | Multi Mode (ST) -2Km (1310nm)                    |
| <b>C</b>     | Multi Mode (SC) -2Km (1310nm)                    |
| <b>T-20</b>  | Single Mode (ST) - 20Km (1310nm)                 |
| <b>C-20</b>  | Single Mode (SC) - 20Km (1310nm)                 |
| <b>C-40</b>  | Single Mode (SC) - 40Km (1310nm)                 |
| <b>CA-2</b>  | Multi Mode (SC) WDM -TX:1310nm/RX:1550nm - 2Km   |
| <b>CB-2</b>  | Multi Mode (SC) WDM -TX:1550nm/RX:1310nm - 2Km   |
| <b>CA-5</b>  | Multi Mode (SC) WDM -TX:1310nm/RX:1550nm - 5Km   |
| <b>CB-5</b>  | Multi Mode (SC) WDM -TX:1550nm/RX:1310nm - 5Km   |
| <b>CA-20</b> | Single Mode (SC) WDM -TX:1310nm/RX:1550nm - 20Km |
| <b>CB-20</b> | Single Mode (SC) WDM -TX:1550nm/RX:1310nm - 20Km |
| <b>CA-40</b> | Single Mode (SC) WDM -TX:1310nm/RX:1550nm - 40Km |
| <b>CB-40</b> | Single Mode (SC) WDM -TX:1550nm/RX:1310nm - 40Km |

### Power Adapter Options (ZZ)

|           |   |
|-----------|---|
| <b>A</b>  | with external power adapter for AU        |
| <b>E</b>  | with external power adapter for EU        |
| <b>J</b>  | with external power adapter for JP        |
| <b>K</b>  | with external power adapter for UK        |
| <b>U</b>  | with external power adapter for USA       |
| <b>AC</b> | with 24VAC Terminal Block Power Interface |

\*More 100FX fiber options are also available upon request