EL100 / EL200 Series Media Converter

Installation Guide

1 Unpacking

Open the carton and unpack the items. Your package should include an EL100 or EL200 media converter and this Quick Install Guide. If items are missing or damaged, notify your EtherWAN representative.

Download the full manual at:

https://www.etherwan.com

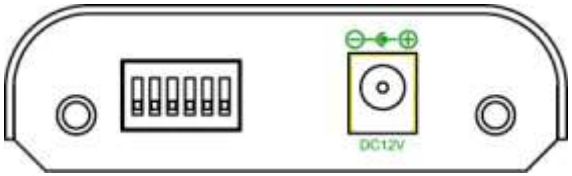
2 Select Installation Location

Place the equipment where it will not be subjected to extreme temperatures, humidity, or electromagnetic interference. Specifically, the site you select should meet the following requirements:

- The ambient temperature should be between 32 and 113 degrees Fahrenheit (0 to 45 degrees Celsius).
- The relative humidity should be less than 95 percent, non-condensing.
- Surrounding electrical devices should not exceed the electromagnetic field (RFC) standards for IEC 801-3, Level 2 (3V/M) field strength.
- Make sure that the equipment receives adequate ventilation. Do not block the ventilation holes on each side of the equipment.
- The power outlet should be within 1.8 meters of the product.

3 Connect Power

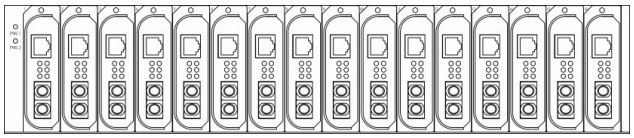
This Converter is a plug-and-play device. Connect the supplied AC to DC power adaptor to the receptacle on the rear panel of the converter, and then attach the plug into a standard AC outlet.



Chassis Installation

The converter can be installed into any of the expansion slots in a compatible chassis.

- Install the converter onto a carrier supplied with the chassis:
- Unscrew the carrier from the desired expansion slot on the chassis.
- Fit the converter onto the carrier, and insert the carrier to the guide rails of the expansion slot.
- Tighten the retaining screws to fix the carrier in the chassis.



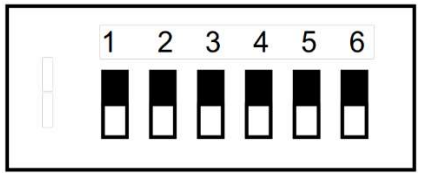
4 Ports and Port Settings

The EL100 provides one TX port and one FX/BX port. For the FX/BX port, it provides options of:
Multi-mode fiber using SC, ST, VF-45, MT-RJ or LC connector or
Single-mode fiber using SC or ST connector
The TX port uses RJ-45 connector and auto senses the speed of 10/100Mbps.

The EL200 provides a WDM-A/B fiber port.

Port settings are made by means of a DIP (Dual Inline Package) switch at the rear panel of the module.

4 DIP Switches



There are six pins on the DIP switch for port settings. Refer to the table below for more details.

DIP Switch No.	Down	Up
1	Enable LFPT (link-fault-pass-through)	Disable LFPT (link-fault-pass-through)
2	Enable auto negotiation for TX port	Enable forced mode for TX port
3	TX port forced to 100Mbps	TX port forced to 10Mbps
4	TX port forced to full duplex mode	TX port forced to half duplex mode
5	FX port forced to full duplex mode	FX port forced to half duplex mode
6	Store-and-forward mode	Converter mode

The default settings for all six dip switches are "Down".

Disconnect the converter from the power source before changing any of the DIP switch settings.

NOTE: In order for converter mode to work, both TX and FX must be set to the same speed.

Otherwise, the device will automatically switch to store-and-forward mode.

5 LED Indicators

The LED indicators give you instant feedback on status of the converter:

LED	State	Indication
PWR	Steady	Power on
	Off	Power off
100 (Mbps)	Steady	Connection at 100Mbps
	Off	Connection at 10Mbps
LNK/ACT	Steady	Valid network connection established
	Flashing	Transmitting or receiving data
	Off	Neither valid network connection established nor transmitting/receiving data
FDX/COL	Steady	Connection in full-duplex mode
	Flashing	Collision occurred
	Off	Connection in half-duplex mode

CLASS 1 LASER PRODUCT
This device is classified as a Class 1 laser product per IEC 60825-1:2014. This device complies with FDA performance standards for laser products except for conformance with IEC 60825-1 Ed. 3., as described in Laser Notice No. 56, dated May 8, 2019.

"Caution – Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure"

Manufacturer information:

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