

1 Unpacking

Open the carton and unpack the items. Your package should include an EL1141 media converter and an AC to DC power adaptor and cable (optional). If items are missing or damaged, notify your EtherWAN representative.



Download the full manual at:

<https://www.etherwan.com>

2 Select Installation Location

Installation is DIN rail-mount, or wall mount (in an enclosure or industrial panel). Ensure that the power source is within 6 feet (1.8 meters), and check that there is adequate airflow. Operating temperature range is -40to 75°C (-40 to 167°F).



3 Connect Power

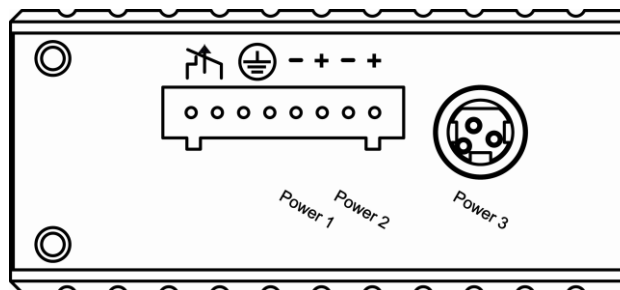
DC Terminal Block Power Inputs: There are two 10~48VDC power inputs that can be used to power up this device.

Only one power input is required to run the media converter, but with only one power connection the FAULT LED indicator will light up to indicate abnormality in the power redundancy system. The media converter will work normally even if the fault LED indicator lights up.


DC Jack Power input: 12VDC.

Terminal Block

Pin	Description
PW1	12-48VDC
GND	Power Ground
PW2	12-48VDC
GND	Power Ground
	Earth Ground
 FAULT	The relay contact opens if Power 1 or Power 2 fails. The relay contact opens if port link fails (When Link Down Detection is enabled).



DC Jack

Pin	Description
PW3	Power input 12VDC
 FAULT	The relay contact opens if Power 1 or Power 2 fails. The relay contact opens if port link fails (When Link Down Detection is enabled).



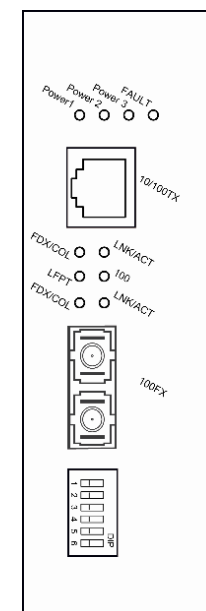
Note: Use qualified power supply by SELV or double insulation of UL 60950 or UL 61010-1 or UL 61010-2-201 standards.

Insert the DC input wires into the corresponding terminals, and tighten the clamp screws to hold them in place. Make sure that the plastic terminal block connector prongs are plugged firmly into the terminal block receptacles.

Power wiring information:

Use cable type - AWG (American Wire Gauge) 18-24 and the corresponding pin type cable terminals. Use torque value 1.7 lb-in, do not use excessive force when fixing wiring.

4 Front Panel Reference



5 LED Indicators

LEDs	State	Indication
FAULT	Steady	Power redundant system or ports function abnormal
	Off	Power redundant system and ports function normally
PWR1 PWR2 PWR3	Steady	Power on
	Off	Power off
100 (Mbps)	Steady	Connection at the speed of 100Mbps
	Off	Connection at the speed of 10Mbps
LFPT	Steady	LFPT function enabled
	Off	LFPT function disabled
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

6 DIP Switch Settings

Port, power and LFPT settings are made very simple by means of DIP (Dual Inline Package) switches on the bottom panel of the hardened media converter.

No.	0	1
1	Disable LFPT*	Enable LFPT*
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	Disable link down alarm	Enable link down alarm

* LFPT=Link Fault Pass Through

Link-Fault-Pass-Through allows network operators to stay aware of network connection status. If a link fails, the function will disable the link on the other side, therefore notifying the connected device of the link failure.

If Force mode is enabled, the media converter must be restarted in order for the new setting to take effect. Pin 2 must be toggled to position 1 prior to speed and duplex mode manual setting.

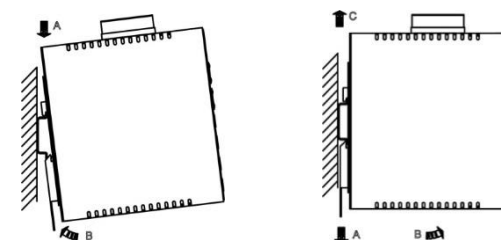
7 Relay Output Alarm

The media converter is equipped with relay output contacts on the terminal block for signaling of a power or port failure. The relay output can be connected to an alarm signaling device. Current is 1A @ 250VAC. Do not connect a power source to the relay output.

8 Other Information

DIN-Rail Assembly Startup, and Dismantling

- Assembly: Place the device on the DIN rail from above using the slot. Push the front of the device toward the mounting surface until it audibly snaps into place.
- Startup: Connect the supply voltage to start up the device via the terminal block.
- Dismantling: Pull out the lower edge and then remove the device from the DIN rail.



Manufacturer information:

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The full product manual can be downloaded from:

www.etherwan.com

