Quick Start Guide

ELinx EIS-G-SFP 1000Base-T to Gigabit SFP Media Converter

1 Items Included

- o Gigabit Media Converter
- o AC Power Adaptor
- o This Quick Start Guide
- o Rubber Feet

Note: A gigabit 1000Base-SX/LX SFP module is required but not included.

2 Hardware Installation

1. Apply Rubber feet to bottom of media converter and select a suitable mounting location. Can be wall mounted using slots on the bottom of case.

2. Do not locate in areas subject to high moisture or potentially wet conditions. Locate where the temperature range does not exceed 0 to 45° C. Make sure unit receives adequate ventilation.

3. Insert 1000Base-SX/LX module into SFP socket. Accepts 1000Base multi-mode or single-mode fiber SFP modules.

4. Connect AC power adaptor to Media Converter and plug into wall outlet. Outlet should be within 6 feet (1.8 meters).

5. Insert RJ-45 Ethernet line into 1000Base-T port first and then connect the fiber port. The copper port auto detects duplex mode and supports auto MDI/MDIX for uplink purposes. **Connected device must be gigabit capable on the copper port to work with this media converter.**

6. Can be installed in **optional** media converter chassis system (EIS-RACK-16).

3 LED Chart
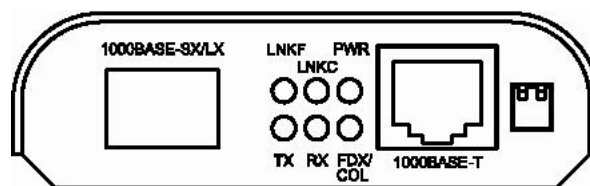
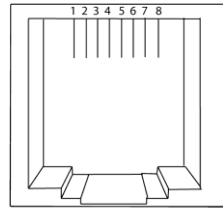| LEDs	State	Indication
Power	Steady	Power applied
	Off	No power
LNKC	Steady	TX port: A valid network connection established LNKC stands for LINK/Copper
	Off	No connection
LNKF	Steady	FX port: A valid network connection established LNKF stands for LINK/Fiber
	Off	No connection
FDX/COL	Steady	Connection in full duplex mode FDX stands for FULL DUPLEX
RX	Steady	Receiving data/Copper
	Off	No reception
TX	Steady	Transmitting data/Copper
	Off	No transmission

4 Ports

IMPORTANT: The copper port is 1000Base-T only and will only connect to gigabit speed devices.
High quality Category 5e cable or better should be used. 1000BASE-T requires all four pairs to be present and is far less tolerant of poorly installed wiring than 100BASE-TX systems.

Pin	Label
1	TP0+
2	TP0-
3	TP1+
4	TP2+
5	TP2-
6	TP1-
7	TP3+
8	TP3-

The 1000Base-SX/LX SFP module socket for Gigabit optic expansion.

5 DIP Switch Settings

This device is plug_and_play; however, the following DIP switch selections are available.

Auto or Full Duplex (Left DIP Switch)
The default setting is auto detection in the up position. Force the fiber port to full duplex mode when in down position.

Link-Fault-Pass-Through (Right DIP Switch)
The default setting is link-fault-pass-through disabled in the up position. If not enabled and one side of the link fails, the other side continues transmitting packets, and waits for a response that never comes. When enabled, LFPT will force the link to shut down as soon as it notices that the other link has failed. This gives the application software a chance to react to the situation.

DIP Switch	Top Left	Top Right
Up (Default)	Auto duplex mode	Link-Fault-Pass-Through function Off
Down	Force full duplex mode	Link-Fault-Pass-Through function On

Note: DIP switch settings also shown on bottom of unit.

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