



DVI Extender via 2 Multimode Fibers LC Duplex Connector

Extends DVI + USB + Audio Link Up To 800 Meters



Description

APAC ADU-FD-800-2LC extender enables DVI, audio and USB extension up to 800 meters over duplex multi-mode fibers (OM3). It is definitely applicable for server room PC and client terminal connection. APAC ADU-FD-800-2LC provides a high quality and uncompressed DVI single link video transmission; also additional USB and audio extension are achievable. A built-in 2 ports USB 1.1 hub at remote side to allow more USB keyboard/mouse devices connection.

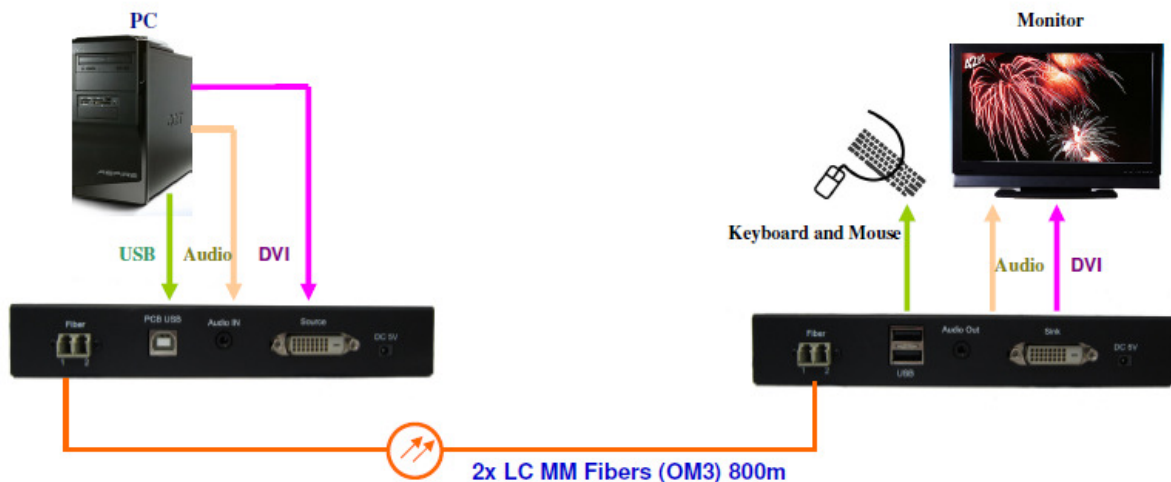
Features

- Long distance DVI, audio and USB extension up to 800 meters (OM3 Multimode Fiber)
- Only support general USB keyboard/mouse device
- External hardware installation, plug and play. No extra driver or software required
- No RF interference by optical fiber cable
- Class 1 laser product complies with EN 60825-1

Application

- Keyboard, audio and mouse extension
- Remote monitor for medical, industrial, military control
- Far-end LCD, Projector, Plasma display connection
- Large video wall system
- Server room PC and client terminal connection

Application Note





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Ordering information

Part Number

ADU-FD-800-2LC-XX

→ 00: US Plug for AC adaptor

01: EU Plug for AC adaptor

02: BS Plug for AC adaptor

03: AU Plug for AC adaptor

This product does not include optical fiber cable

Package include

- TX box × 1
- RX box × 1
- 5V adaptor × 2

Optional : EU/BS/AU Plug change kit of 5V adaptor

Specification

PARAMETER	SPECIFICATION	NOTE
Max length	800 Meters	For OM3 fiber
	600 Meters	For OM2 fiber
Max resolution	1920 × 1080, 1920 × 1200	60Hz, DVI single link
EDID support	Pseudo EDID + Clone EDID	
Audio interface	3.5mm, Sampling rate > 44.1Kbps	
USB interface	TX: USB-B Type * 1	Only support keyboard and mouse device
	RX: USB-A Type * 2	
Optical connector	Duplex LC	
Recommended Fiber	50/125 μ m multimode fiber	OM3
Operating voltage	TX : DC 5V / 965mA	
	RX : DC 5V / 1000mA	
Operating Temperature	0°C to 50°C	
Storage Temperature	-20°C to 75°C	
Dimension	TX unit : 180 x 120 x 30	L × W × H (mm)
	RX unit : 180 x 120 x 30	
Weight	TX : 600g , RX : 605g	



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Requirements

- DVI PC or DVI signal source (Transmitter)
- DVI monitor or projector (Receiver)
- 100~240VAC 50~60Hz 0.6A electricity

Adaptor Specification

PARAMETER	SPECIFICATION	NOTE
Input	100~240VAC	US/EU/BS/AU plug
Output	DC 5V	3.0 A
DC Jack	Inside 5V / Outside ground	

Installation

- Step1. Install TX box close to DVI source and USB host, such as PC or NB.
- Step2. Install RX box close to DVI sink and USB device, such as DVI monitor and keyboard/mouse.
- Step3. Connect DVI/USB cable from TX box to Source, and RX box to Sink.
- Step4. Connect TX box and RX box through optical fiber cable (2LC).
- Step5. Apply 5V adaptor power to TX box and RX box.

Note 1: Clean fiber connector before plugging in. The dust will impact fiber communication performance.

Note 2: The length of DVI cable should be NOT longer than 2 meters.



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Self-EDID Programming Procedure

Step1. Connect TX to monitor with DVI cable.

Step2. Power on monitor and DO NOT power on TX.

Step3. Press self-EDID button then power on TX, you will see LED quick flash 10 times to indicate enter EDID setting mode

Step4. LED off 3 seconds then enter instruction sample mode

Step5. LED will flash 5 times (on 1 second, off 1 second) to sample "button press count", button press time will decide next instruction

Step6. LED quick flash 10 times to indicate instruction sample mode ending.

Step7. If button press count = 3, TX will perform clone EDID from monitor.

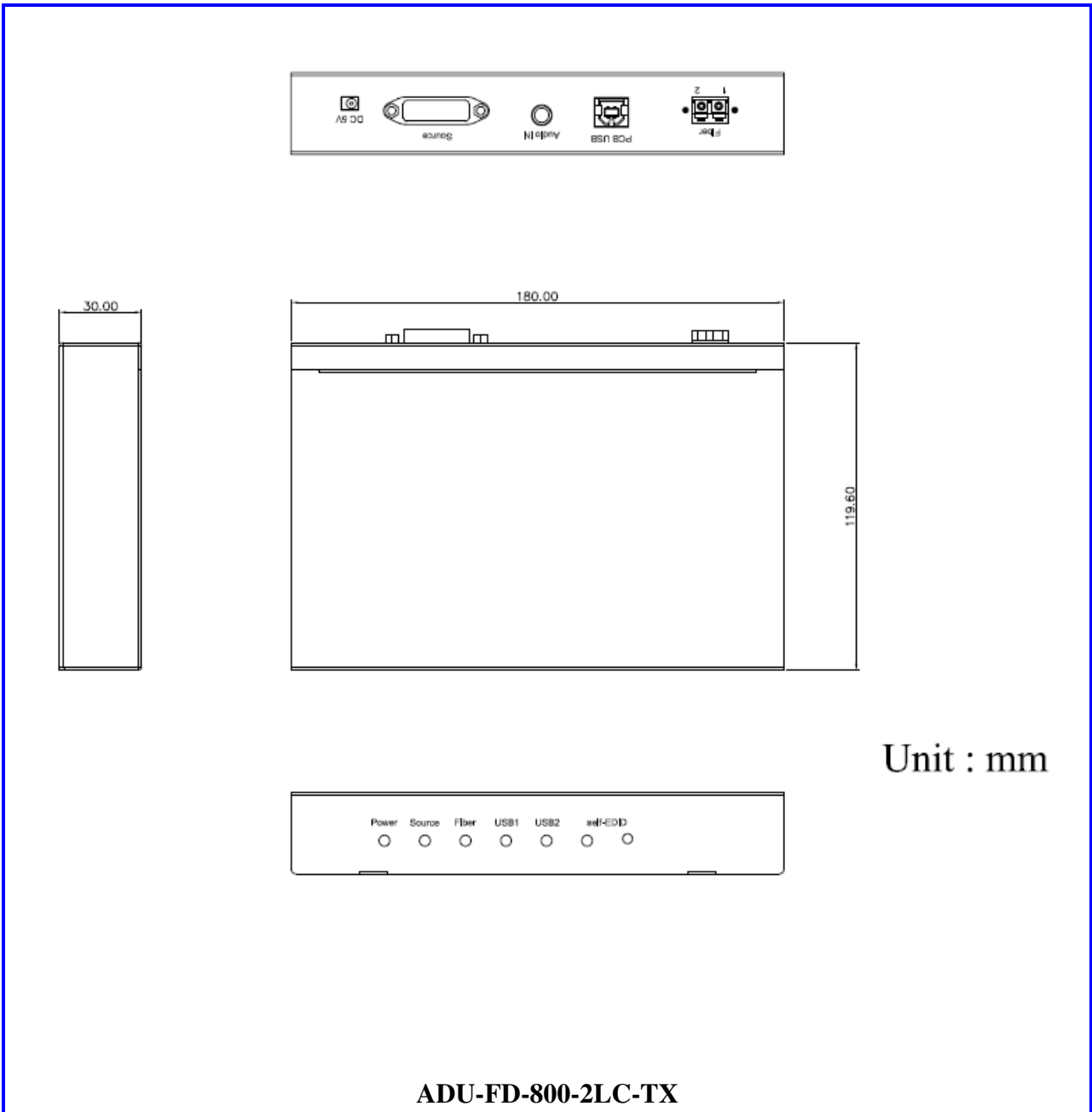
Step8. If button press count = 5, TX will perform reset to default EDID

Note 1: In case you want to "reset to default EDID", press self-EDID button all time until (6).

Note 2: In case you want to clone EDID, ensure (5) button press count = 3 then release button.

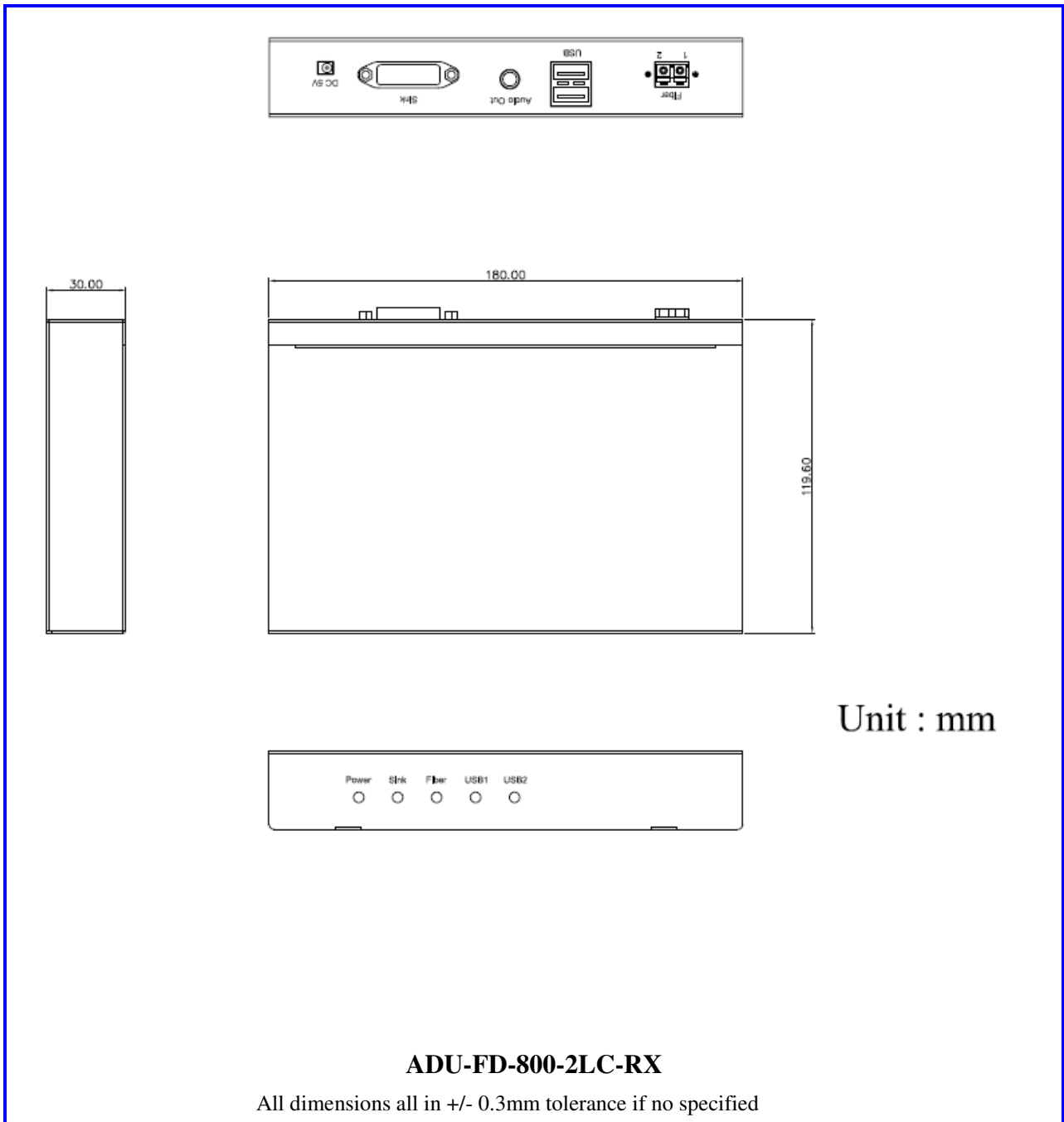
This complicated procedure is to avoid abnormal operation of self-EDID button.

Dimensions





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Safety Regulation

CE and FCC approved.

