DVI Extender via 2 Multimode Fibers
LC Duplex Connector
Extends DVI + RS232 + Audio Link Up To 800 Meters

Description

APAC ADR-FD-800-2LC extender enables DVI, audio and RS232 extension up to 800 meters over duplex multi-mode fibers (OM3). It is definitely applicable for server room PC and client terminal connection.

APAC ADR-FD-800-2LC provides a high quality and uncompressed DVI single link video transmission; also additional RS232 and audio extension are achievable.

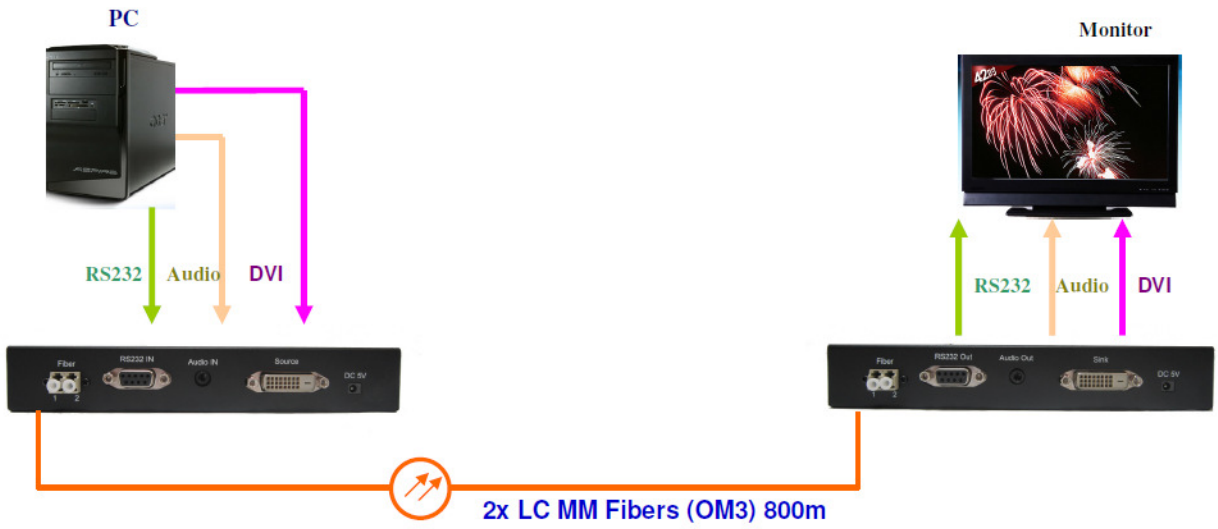
Features

- Long distance DVI, audio and RS232 extension up to 800 meters (OM3 Multimode Fiber)
- 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

- 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
ADR-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	
RS-232 Baud Rate	9600, 19200, 115200	
Optical connector	Duplex LC	
Recommended Fiber	50/125 μm multimode fiber	OM3
Operating voltage	TX : DC 5V / 970mA RX : DC 5V / 970mA	
Operating Temperature	0℃ to 50℃	
Storage Temperatute	-20℃ to 75℃	
Dimension	TX unit : 180 x 120 x 30 RX unit : 180 x 120 x 30	L × W × H (mm)
Weight	TX : 600g , RX : 600g	

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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, such as PC or NB.

Step2. Install RX box close to DVI sink, such as DVI monitor.

Step3. Connect DVI 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 untill (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.

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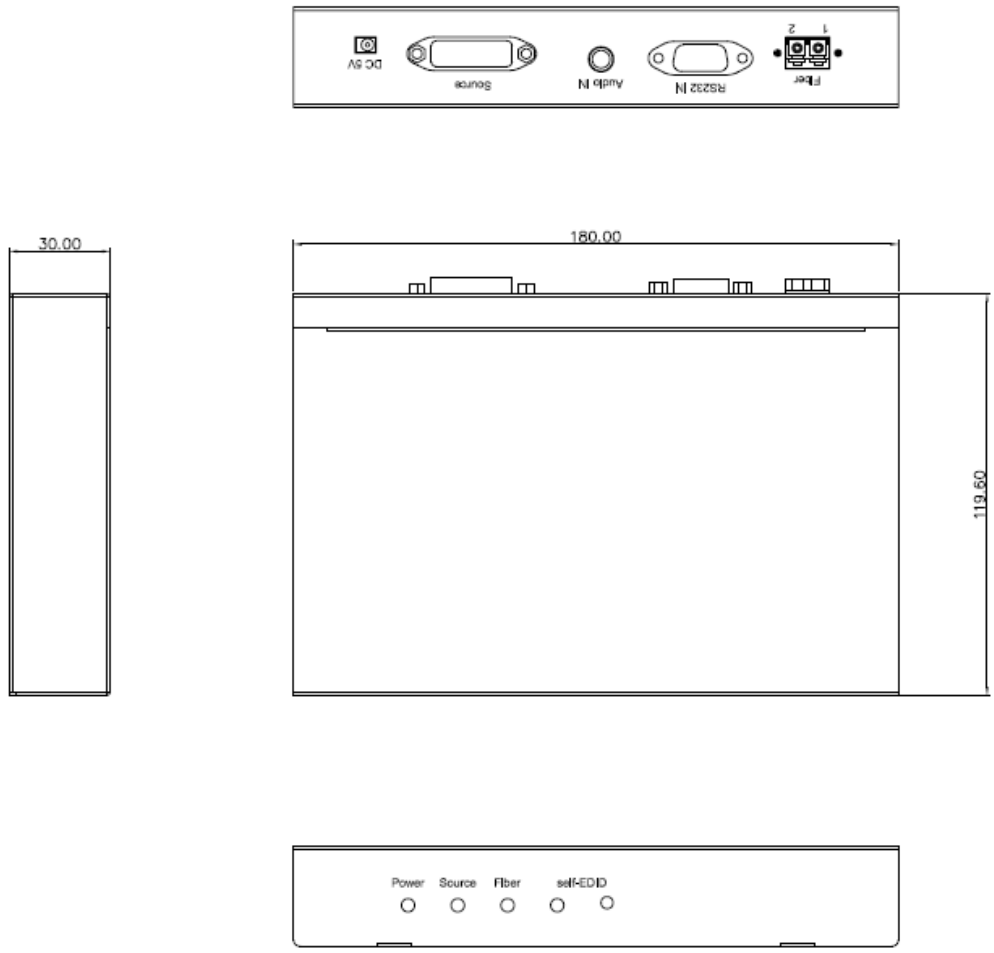
Dimensions



ADR-FD-800-2LC-TX

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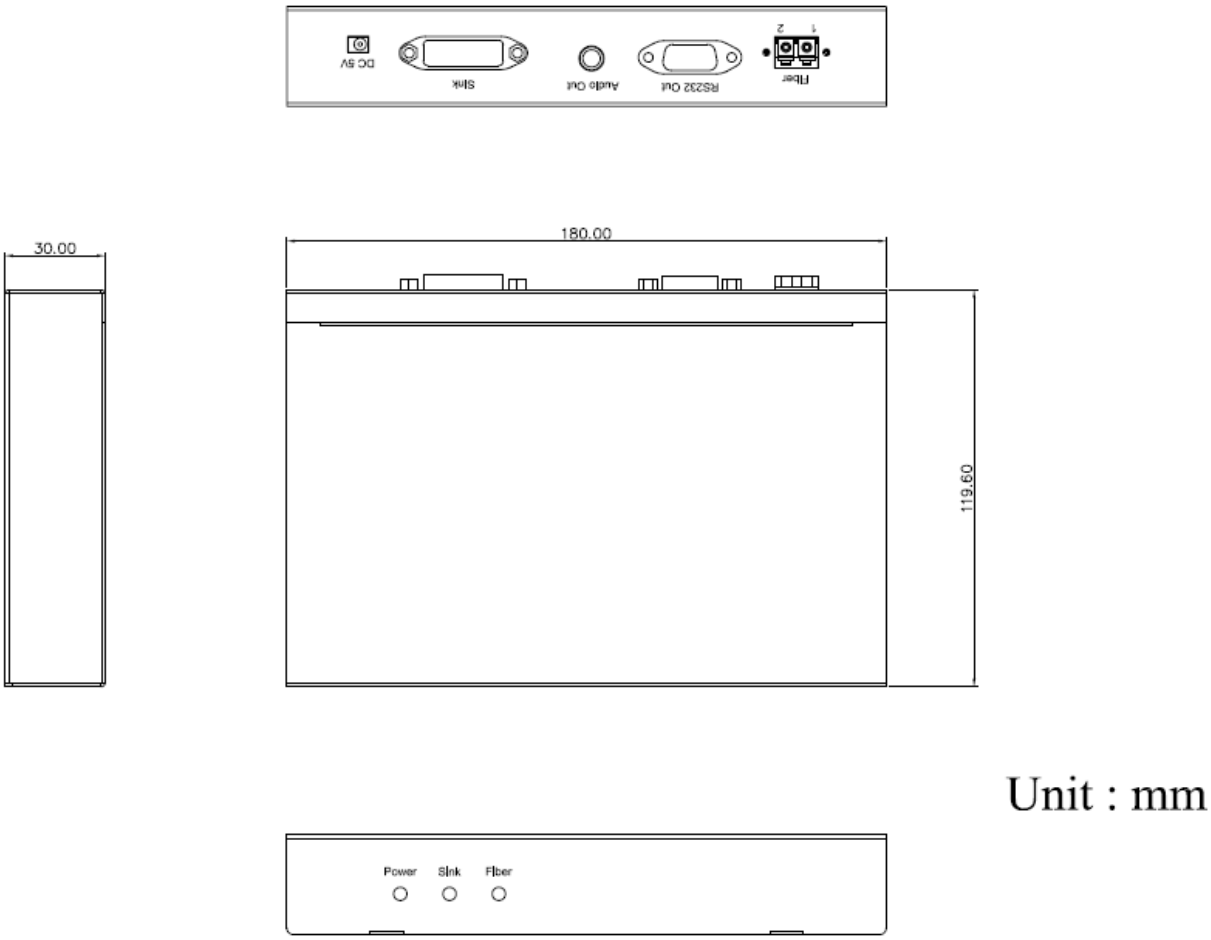

ADR-FD-800-2LC-RX

All dimensions all in +/- 0.3mm tolerance if no specified

Safety Regulation

CE and FCC approved.

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