



# HDMI Extender via 2 Multimode Fibers LC Duplex Connector

## Extends HDMI + RS232 + Audio Link Up To 800 Meters



### Description

APAC AHR-FD-800-2LC extender enables HDMI, 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 AHR-FD-800-2LC provides a high quality and uncompressed HDMI single link video transmission; also additional RS232 and audio extension are achievable.

### Features

- Long distance HDMI, 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

AHR-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	600 Meters for OM2
Max resolution	1920 × 1080, 1920 × 1200	60Hz, HDMI 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 $\mu$ m multimode fiber	OM3
Operating voltage	TX : DC 5V / 970mA RX : DC 5V / 970mA	
Operating Temperature	0°C to 50°C	
Storage Temperature	-20°C to 75°C	
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

- HDMI PC or HDMI signal source (Transmitter)
- HDMI 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 HDMI source , such as PC or NB.
- Step2. Install RX box close to HDMI sink , such as HDMI monitor .
- Step3. Connect HDMI 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 HDMI cable should be NOT longer than 2 meters.



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### Self-EDID Programming Procedure

Step1. Connect TX to monitor with HDMI 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.

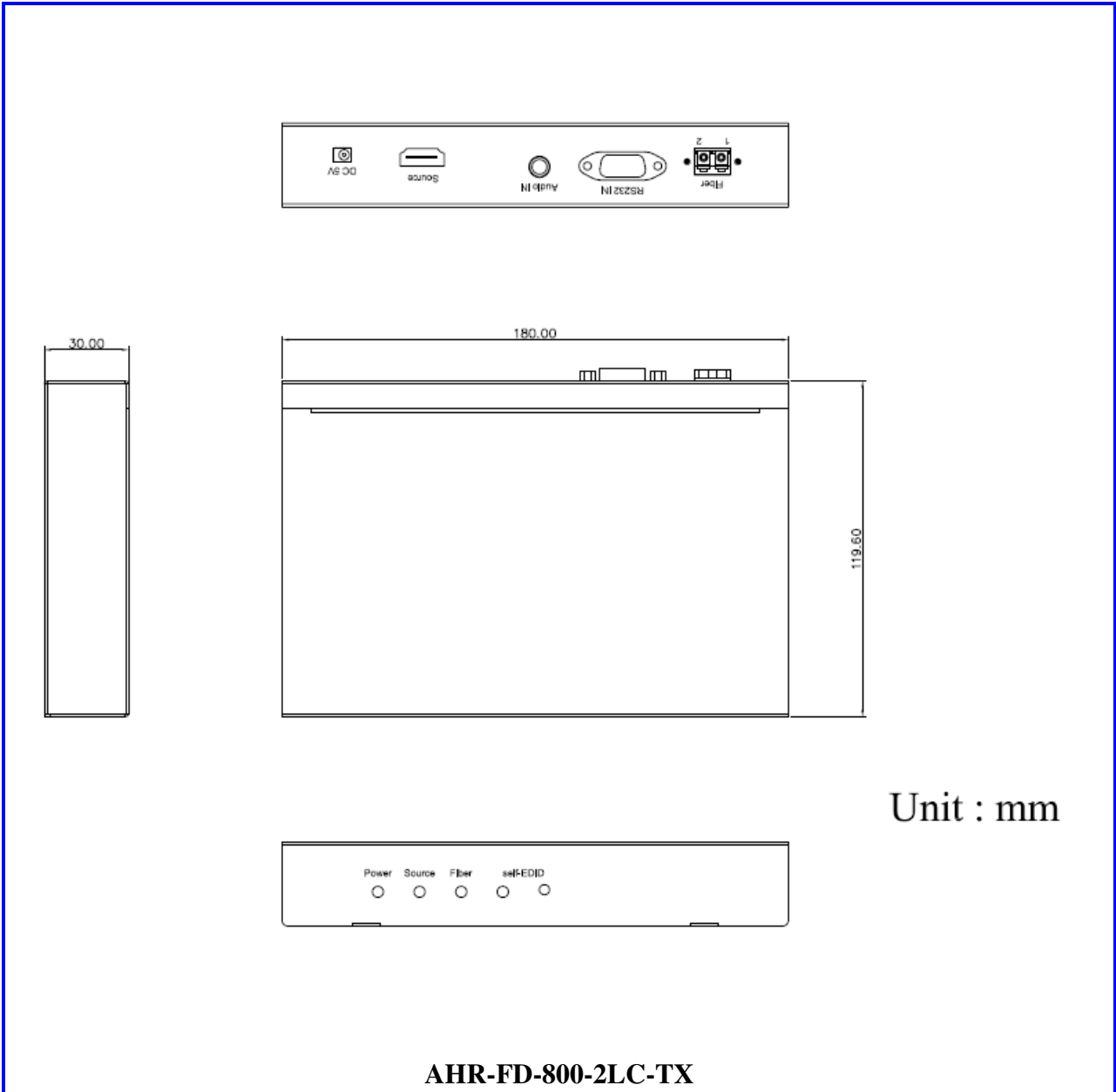
Step8. If button press count = 5, TX will perform reset to default EDID

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**

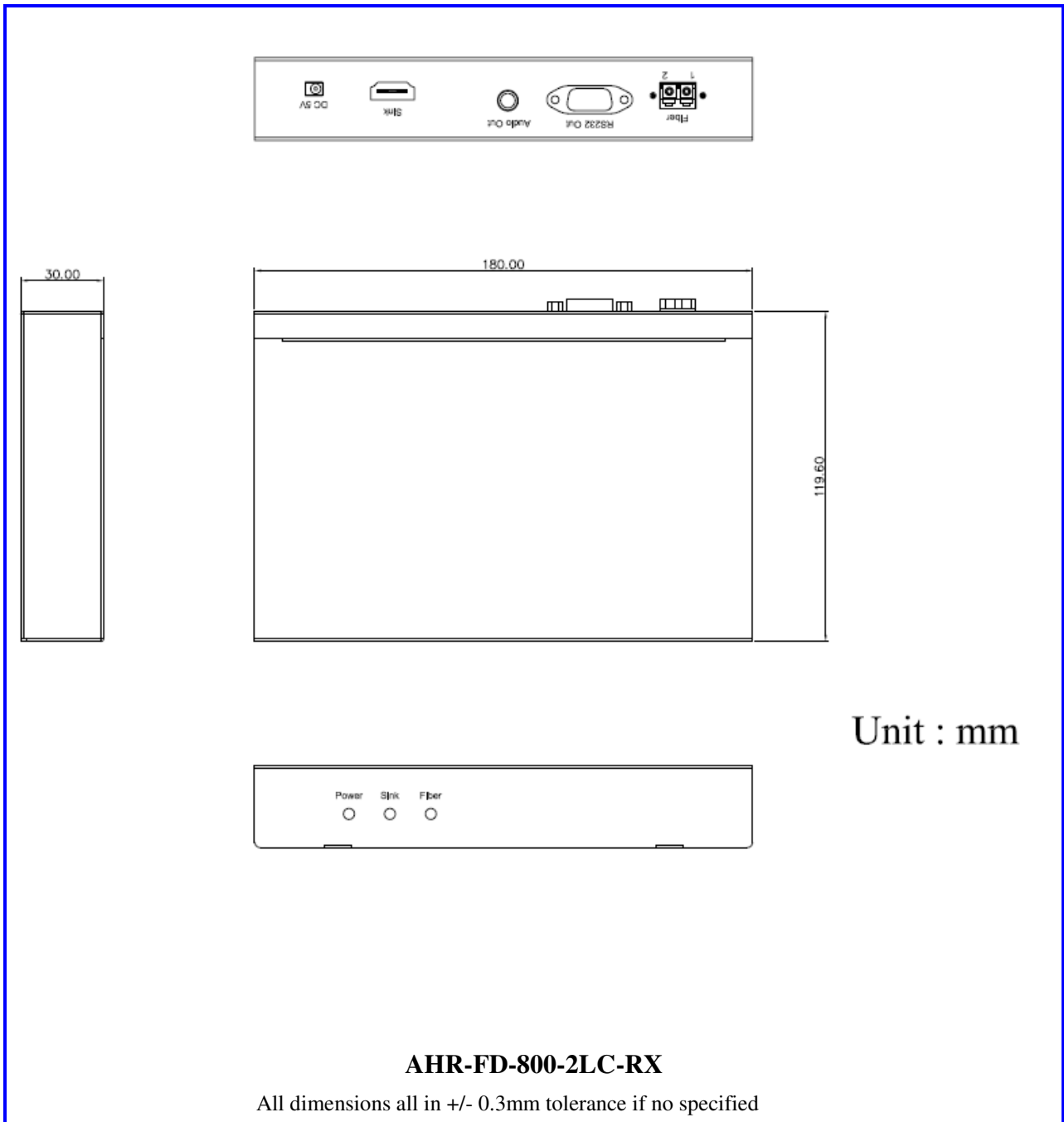


Unit : mm

**AHR-FD-800-2LC-TX**



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**Safety Regulation**

**CE and FCC approved.**

