Description

APAC AHU-FD-800-2LC extender enables HDMI, 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 AHU-FD-800-2LC provides a high quality and uncompressed HDMI 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 HDMI, 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
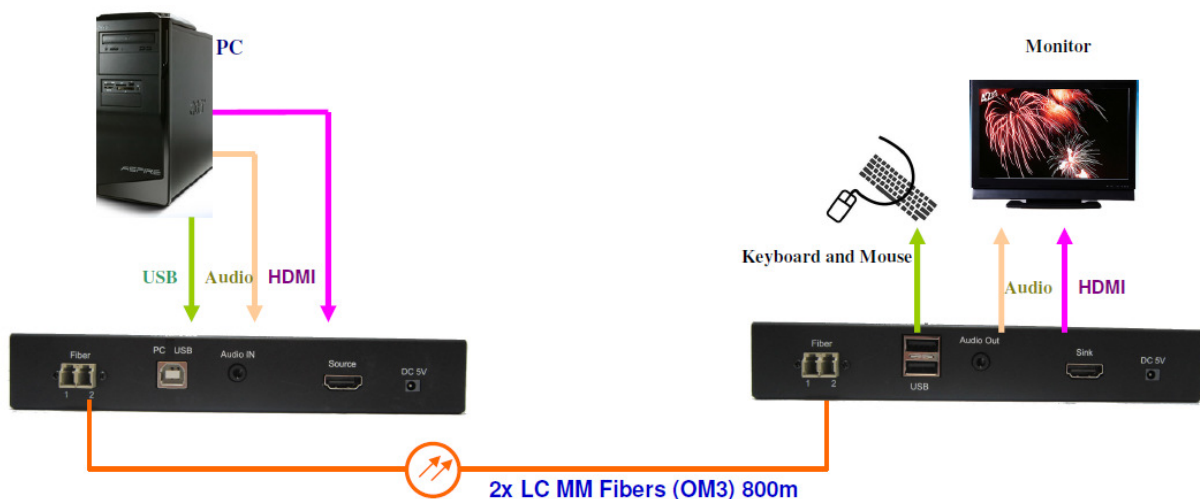
2x LC MM Fibers (OM3) 800m

Ordering information

Part Number
AHU-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	
USB interface	TX: USB-B Type * 1 RX: USB-A Type * 2	Only support keyboard and mouse device
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℃ 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 : 605g	

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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 and USB host, such as PC or NB.

Step2. Install RX box close to HDMI sink and USB device, such as HDMI monitor and keyboard/mouse.

Step3. Connect HDMI/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 HDMI cable should be NOT longer than 2 meters.

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 untill (6).
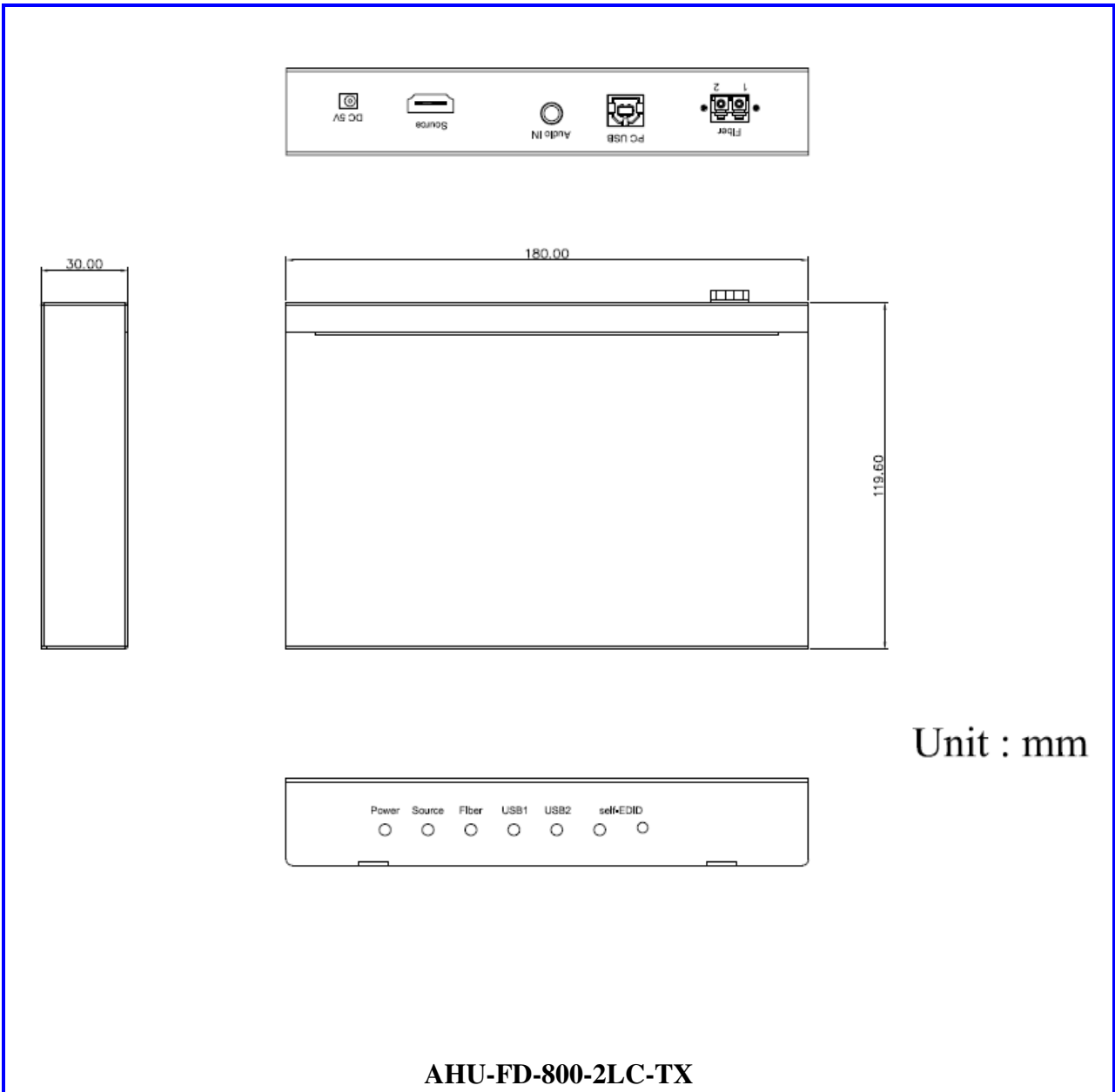
Note 2: In case you want to clone EDID, ensure (5) button press count = 3 then release button.

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

Dimensions

Unit : mm

AHU-FD-800-2LC-TX

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AHU-FD-800-2LC-RX

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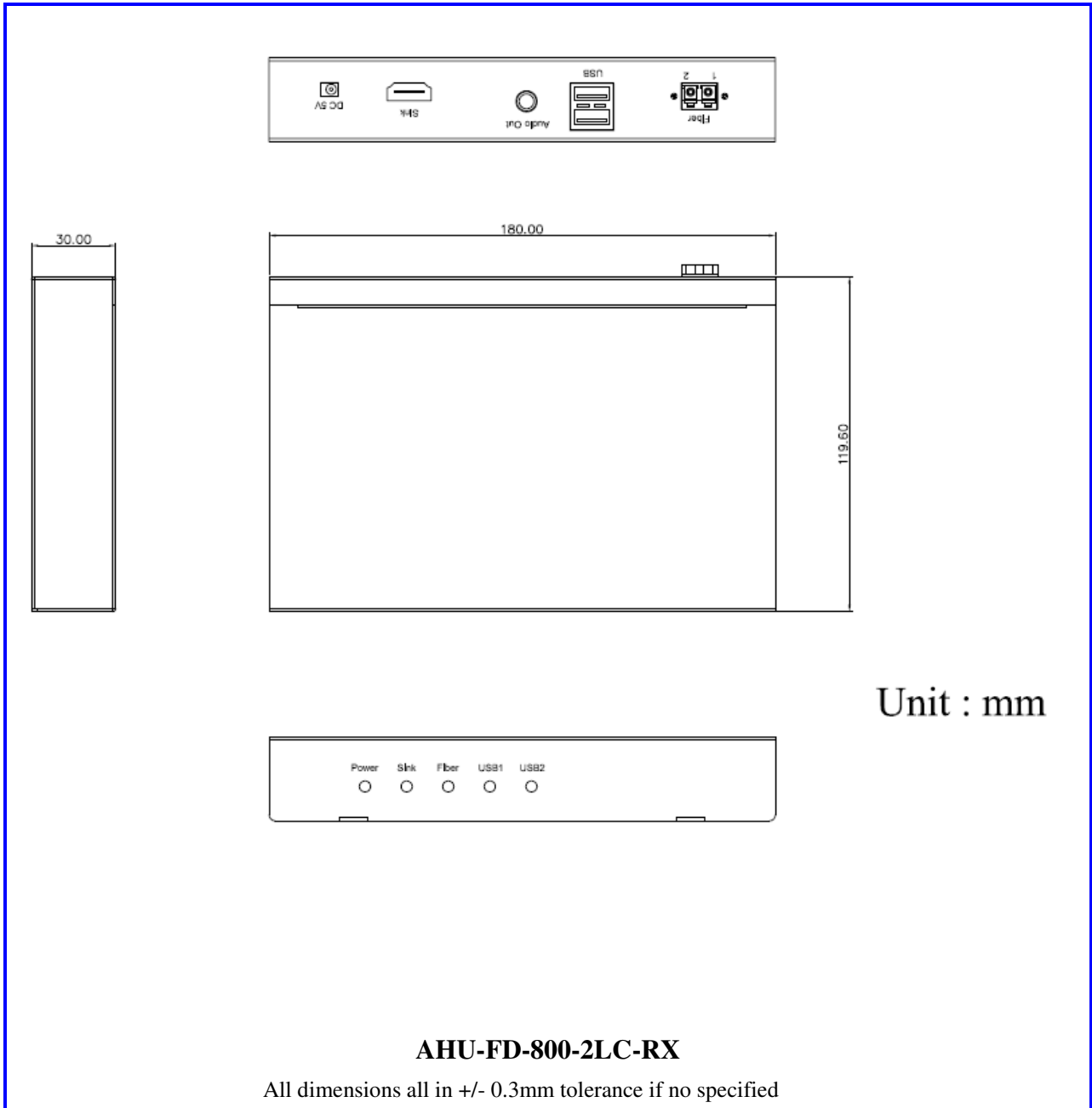
Safety Regulation

CE and FCC approved.

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