DisplayPort Splitter

User's Manual

DP-102   **DP-104**

Introduction

DisplayPort Splitter is a distribution hub that sends the same video output to two or four digital screens. It is a flexible solution to accommodate multiple displays. DisplayPort Splitter offers solutions for home theater, information distribution , AV installation , conference room presentation and corporate training environment.
We recommend using the same resolution monitor on all output ports, where this is not possible each monitor must have one common resolution
This DisplayPort splitter supports signal from Real DisplayPort Signal Adapter, but will not work with signal from DVI or HDMI level shifter

Features

➢ Compliant with DisplayPort 1.1a, HDCP 1.3 specifications
➢ Support EDID at Port 1.
➢ Compliance with DisplayPort Specification V1.1a at 1.62 / 2.7 Gbps data rate (Low / High bit rate)
➢ Support flexible 1 / 2 / 4 lanes configurations; Full 10.8Gbps data rate support (4 lanes at 2.7Gbps)
➢ Support up to 2560 x 1600 @60Hz (WQXGA) VESA display format
➢ Support deep color up to 12 bits
➢ Supports audio up to PCM 7.1 (32 ~ 192kHz sample rate)
➢ Supports pixel component format with RGB; YCbCr 422; YCbCr 444
➢ Color space conversion between RGB and YCbCr color space
➢ Provide power switch to avoid unnecessary power wasting.

Package Contents

1. DisplayPort Splitter.
2. 5VDC 2A Switching Power adapter

System Requirements

➢ Input Device : Personal Computer or Notebook
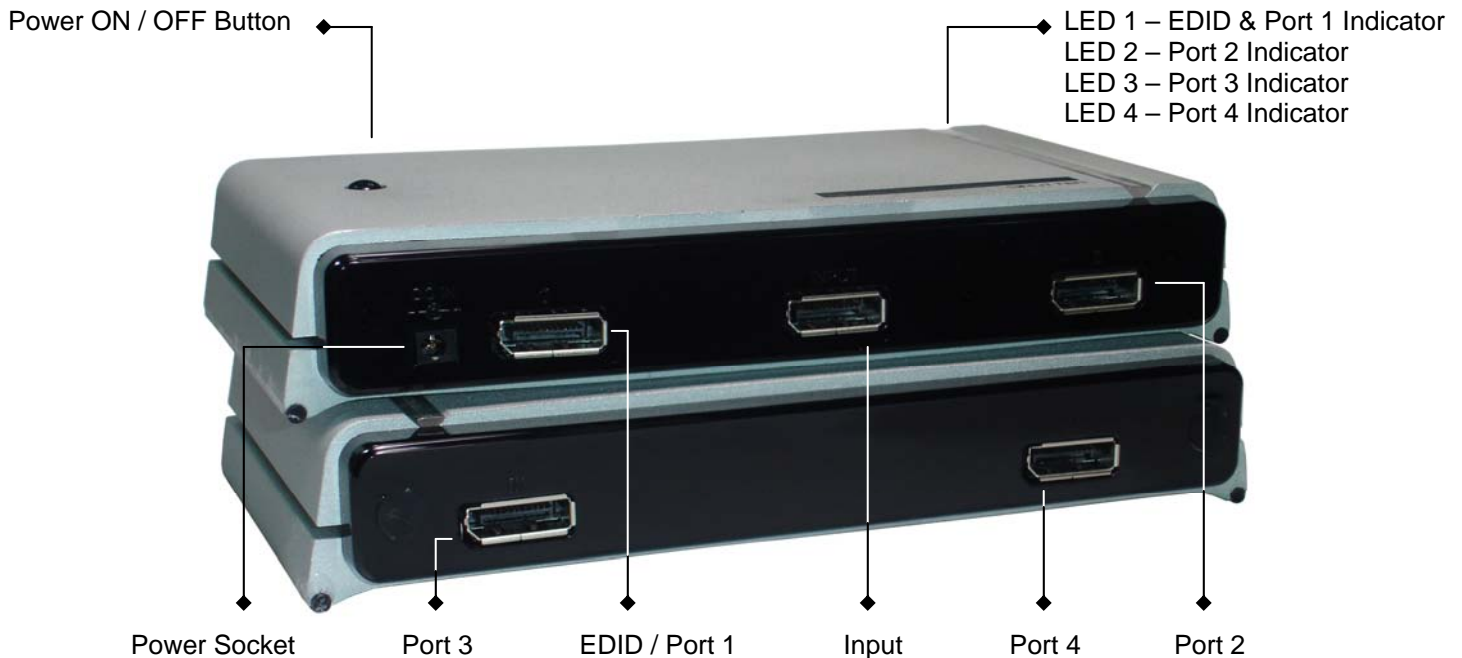➢ Output Device : DisplayPort display device

Specifications

Model No.		DP-102	DP-104
Connectors	Input	DisplayPort 20 Pin Female x 1	
	Output	DisplayPort 20 Pin Female x 2	DisplayPort 20 Pin Female x 4
Frequency Bandwidth		10.8Gbps (4 lanes at 2.7 Gbps)	
Video Resolution		2560 x 1600 @60Hz (WQXGA)	
LED Indicator		2	4
Power Supply		5VDC 2A	
Cable Ext.length	Input	15m (26AWG)	
	Output	7m (28AWG)	
Housing		Aluminum	
Dimension (L x W x H)		170 x 95 x 30 mm	

Installation

Connect PC or NB output to DisplayPort Splitter input 20 Pin Female Connector and display device to the DisplayPort Splitter Output 20 Pin Female Connector, plug the power adapter press ON / OFF switch to start.

Front & Rear Panel View

Power ON / OFF Button

LED 1 – EDID & Port 1 Indicator
LED 2 – Port 2 Indicator
LED 3 – Port 3 Indicator
LED 4 – Port 4 Indicator

Power Socket   Port 3   EDID / Port 1   Input   Port 4   Port 2

LED will blink when EDID is functioning under following condition
1. When DisplayPort monitor is plug in.
2. When switched ON the monitor
3. When Restarting Computer
4. When Switching ON DP-102/DP-104

Certifications

FCC
This device has been tested and found to comply with the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference
(2) This device must accept any interference received, including interference that may cause undesired operation.

CE
This device is in compliance with the requirements of the following regulations: EN 55022: CLASS B

RoHS
All contents of this package, including products, packing materials and documentation comply with RoHS.