CMDP-13MDPI 1 by 3 Mini-DisplayPort Splitter

Introduction:

For displaying a large content of information this 1 by 3 Mini DisplayPort Extender Splitter can extend an image into 2 or 3 displays for better viewing and multi-task working or split the image into 2 or 3 identical images for contents sharing. This 1 by 3 Mini DisplayPort Extender Splitter allows users to enjoy multiple monitors from a single digital output port with motionless or moving contents. Each output port is able to display HD resolution up to 1920 x 1200. The 1 by 3 Mini DisplayPort Extender Splitter is an useful device for your image extending or splitting display.

Features:

1. Complies with DisplayPort v1.1a, VESA DDM, HDCP v1.3 and EDID v1.4 standards
2. Supports main link rates of 2.7Gbps (HBR) and 1.62Gbps (RBR) from the source
3. Fully HD compatible and provides full display performance with zero latency and no display application limitations
4. Does not require any system software updates or any Windows Hardware Quality Lab (WHQL) testing/qualification
5. Supports output resolutions of up to 1920 x 1024 or 1920 x 1200
6. Works with any desktop and notebook computer that has a DisplayPort output port(s)
7. Provides exceptional Secured Content Protection with HDCP 1.3 for digital content including video and audio
8. Plug and Play

Specifications:

- Output Resolution	1920 x 1200 / 1920 x 1024
- Input port	1 x Mini-DisplayPort
- Output ports	3 x Mini-DisplayPort
- Power Supply	3.3V / 1.5A DC (US/EU standards, CE/FCC/UL certified)
- ESD Protection	Human body model: ± 8kV (air-gap discharge) ± 4kV (contact discharge)
- Dimensions (mm)	100 (W) x 70 (D) x 20 (H)
- Weight (g)	90
- Chassis Material	Plastic
- Silkscreen Color	White
- Power Consumption	3W
- Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
- Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
- Relative Humidity	20 ~ 60% RH(non-condensing)

Timing tables for monitor:

The 1 by 3 mini DisplayPort splitter is a smart device with built-on-fly feature that can define which and how many monitors is connected on and send out the signal for proper display according to the best match resolution support. Suppose the native resolution of each monitor is 1920 x 1200, below is the expanded timing list which is supported by the device.

Two monitors mode

From PC	To monitor	Vertical refresh rate (Hz)
3840 x 1200	1920 x 1200	60
2560 x 1024	1280 x 1024	60
2048 x 768	1024 x 768	60
3360 x 1050 * 1	1680 x 1050	60
3200 x 1200 * 1	1600 x 1200	60
2880 x 900 * 1	1440 x 900	60
1600 x 600 * 1	800 x 600	60
1280 x 480 * 1	640 x 480	60
2800 x 1050 * 1	1400 x 1050	60

Three monitors mode

From PC	To monitor	Vertical refresh rate (Hz)
3840 x 800	1280 x 800	60
3840 x 1024	1280 x 1024	60
3072 x 768	1024 x 768	60
2400 x 600 * 1	800 x 600	60
1920 x 480 * 1	640 x 480	60
4080 x 768 * 1, * 2	1360 x768	60
3840 x 720 * 1	1280 x 720	60
2460 x 480 * 1	720 x 480	60
3840 x 960 * 1	1280 x 960	60

Note:

*1. The timing is listed out in EDID extension block. Some old GPU driver may not support it.

*2. The total horizontal pixel include the active area and blank area is large than 4096,

*3. For Apple Cinema Display support timing please referse to
http://www.apple.com/displays/specs.html

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