

# VM7804/VM8804

## 4-Port HDMI Input/Output Board

- The VM7804 4-Port HDMI Input Board and VM8804 4-Port HDMI Output Board offers an easy way to route any of 4 audio/video sources to any of 4 displays, in combination with an ATEN Modular Matrix Switch.

The VM8804 supports Seamless Switch™ technology that provides video switching in real-time, a built in scaler that handles different video resolutions, and EDID Expert technology for fast smooth switching between displays, giving you the perfect viewing experience. The VM7804 / VM8804 also supports HDMI audio can be extracted and stereo audio that can be embedded.

VM7804 HDMI Input Board



VM8804 HDMI Output Board



## Features

- Superior video quality – HDTV resolutions of 480p, 720p, 1080i and 1080p (1920 x 1080)
- HDMI (3D, Deep Color); HDCP 1.4 Compatible
- Seamless Switch™– provides continuous video streams, real-time switching and stable signal transmission\*
- Built-in scaler on each output port to support the scaling function for different video Resolutions
- Consumer Electronics Control (CEC) support
- EDID Expert – selects optimum EDID settings for smooth power-up and the highest quality display
- Built-in EDID wizard – provides an easy way to customized EDID settings
- Hot-swappable design for easy integration of I/O boards
- Audio-enabled, HDMI audio can be extracted and stereo audio can be embedded

**Note:** If Seamless Switch™ is enabled, the video output will not display 3D, Deep Color or interlace (i.e., 1080i) resolutions. To make these features available, you must disable Seamless Switch™.

**HDMI™**  
HIGH DEFINITION MULTIMEDIA INTERFACE

A/V In  
HDMI  
(VM7804)

A/V Out  
HDMI  
(VM8804)

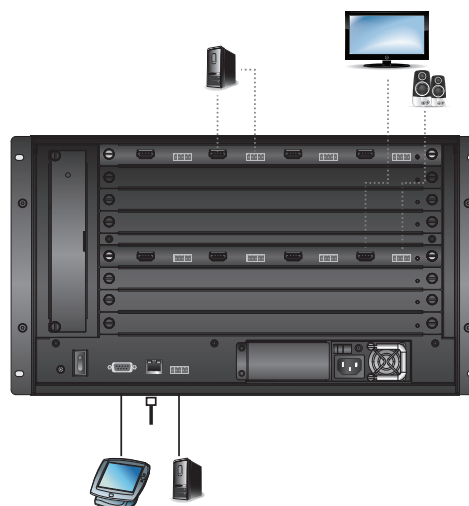
Seamless  
Switch  
(VM8804)

Scaler

EDID

Balanced  
Audio

FPGA  
Design



## Specification

Function		VM7804	VM8804
Connectors	HDMI In	4 x HDMI Type A Female (Black)	N/A
	HDMI Out	N/A	4 x HDMI Type A Female (Black)
	Audio In*	4 x captive screw connector, 5 pole	N/A
	Audio Out*	N/A	4 x captive screw connector, 5 pole
Power Consumption		DC5V, 7W	DC5V, 23.13W
Environment	Operating Temp.	0–40°C	
	Storage Temp.	-20–60°C	
	Humidity	0–80% RH, Non-condensing	
Physical Properties	Housing	Metal	
	Weight	0.55 kg	0.58 kg
	Dimensions (L x W x H)	35.20 x 23.80 x 2.28 cm	35.20 x 23.80 x 2.28 cm

**Note:**\*Audio signal type support stereo, balanced/unbalanced.  
Balanced audio maximum input/output level: 0.5 Vrms (-6.02dBV@600ohm)  
Unbalanced audio maximum input/output level: 1Vrms (0dBV@600ohm)

