



# AVVA-Pro Multi-Format Modular Matrix (9x9)

DVI-I / HDMI / 3G-SDI / HDBaseT / Fiber

## MFMM-900



### Introduction:

This is a modular matrix switcher, **with 9 input slots and 9 output slots**, so it can support **maximum 9 inputs and 9 outputs**, all the input and output cards are using 1-card 1-port, the signals are including the DVI, HDMI, HDBasT, Fiber Optic, 3G-SDI. Users are able to have mixed signals inputs and mixed signals outputs.

The single channel signal switching speed can reach 12.5Gbps, and the main board is using **Four core four links processing technology**, the switching ability speed can reach **32Gbps**. With uncompressed transmission technology for the digital signal to make sure the image High fidelity output. Unique signal links shielding designing technology to make sure the signal completeness, the internal data switch has super strong capacity of resisting disturbance and long continuous and stable working ability. **Supports 7\*24 continuously working** and with dual LAN and RS232 backup control, it's convenient for users to control via PC, iPad, APP and the 3rd parties central control by the the RS232 control commands.

### Features:

- Modular designing chassis, with 9 input slots and 9 output slots
- 1-card 1-port input and output card
- Supports 1080P, 4K30 and 4K60 cards for selections
- Supports DVI-I/ HDMI/ 3G-SDI/ HDBaseT/ Fiber to mix input and output
- Support Video wall and seamless switching with the 1080P and 4K60 cards
- Support 3.5mm audio embedded and de-embedd function
- Support up/down scaling function via the DIP switch
- Support dual LAN and RS232 ports for backup control
- Front buttons with background lights, easier to operate at any time
- Support auto saving protection and auto recovery function while power cut



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Technical Datasheet	
<b>Model</b>	<b>MIN-MANAGER-900</b>
<b>Description</b>	9x9 modular matrix switch
<b>Input</b>	1-card 1-port input, including DVI/HDMI/VGA/CVBS/YPbPr/SDI/HDBaseT/Fiber
<b>Output</b>	Support DVI/HDMI/VGA/CVBS/YPbPr/SDI/HDBaseT/Fiber Otpic output
<b>Protocol Standard</b>	1-card 1-port output, including DVI/HDMI/VGA/CVBS/YPbPr/SDI/HDBaseT/Fiber
<b>Color Space</b>	Support RGB444, YUV444, YUV422 , x.v.C standard color extension
<b>Resolution</b>	1640×480---3840×2160@60Hz(VESA ) , 480i---4K@60Hz(HDTV )
<b>Distance</b>	HDMI/DVI: 15m/40ft ; HDBaseT: 70m/220ft; Fiber: 2km/6000ft
<b>Control</b>	iOS/Android Apps, WEB GUI, RS232 & 10" Color Touchscreen
<b>Power</b>	AC: 110V—260V 50/60Hz
<b>Consumption</b>	2U, 482×385×89(mm)/ 18.97*15.35*3.51(inch); Packing: 56*49*200(mm)
<b>Weight</b>	0°C ~50°C
<b>Work Temperature</b>	255
<b>Storage Temperature</b>	-20°C ~55°C

#### Packing Details:

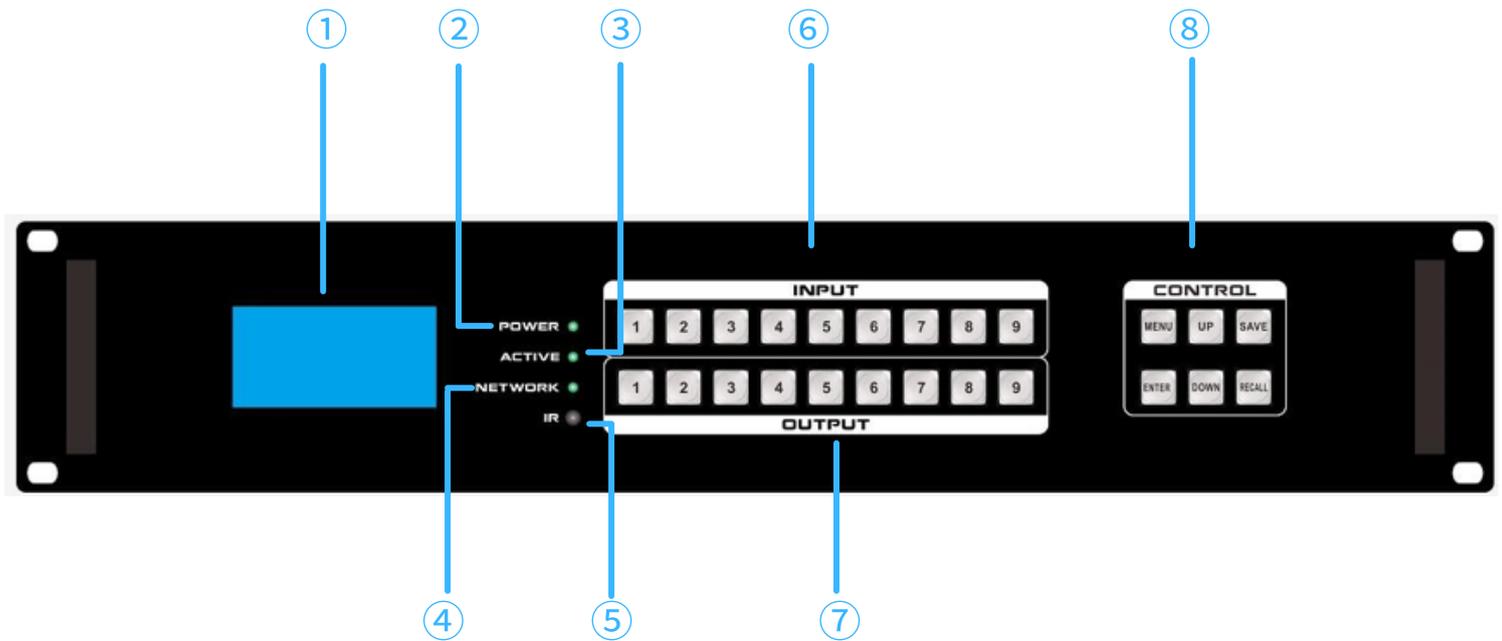
- Matrix switch chassis with customized configuration .....1 unit
- Power cord .....1 pcs
- User manual .....1 pcs



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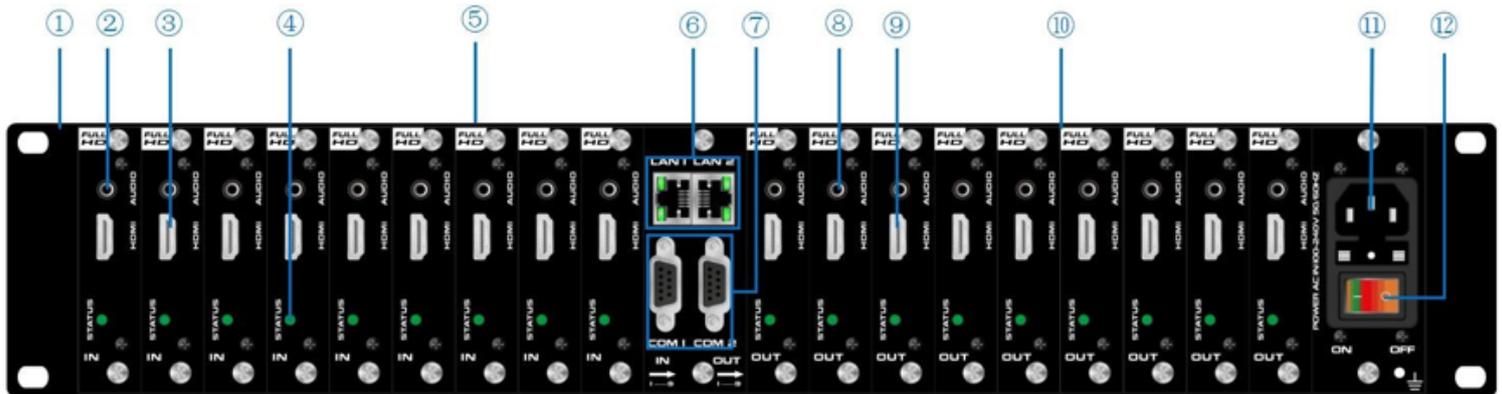
No.	Name	Description	
1.	LCD Screen	Operation information real-time Display	
2.	POWER	light up after power on, it will light off after power off	
3.	ACTIVE	Flashing while using the buttons/ WEB switching successfully	
4.	NETWORK	Flashing while using the WEB control operation	
5.	IR	IR remote control receiver	
6.	INPUT	Input buttons with background light, from 1~9 input buttons	
7.	OUTPUT	Input buttons with background light, from 1~9 input buttons	
8.	CONTROL	MENU	Select between View, Switch, Scene Save/ Recall and Setup
		UP	Upward and short cut button for switching to ALL outputs
		SAVE	For saving the scene or setup
		ENTER	Enter button
		DOWN	Downward and short cut button for canceling to ALL outputs
		RECALL	For recalling the saved scene



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No.	Name	Description
1.	Rack ear	For installation on the 19 inch Rack Cabinet
2.	3.5mm audio	External 3.5mm audio embedded
3.	HDMI Port	HDMI input card
4.	Status Indicator	Power on indicator
5.	Input slots	Supports DVI/HDMI/VGA/CVBS/YPbPr/FIBER/HDBaseT input
6.	LAN Ports	Dual LAN ports for WEB/TCP/IP Control
7.	RS232 Ports	Dual RS232 ports for 3 <sup>rd</sup> parties control
8.	3.5mm audio	External 3.5mm audio de-embedded
9.	HDMI Port	HDMI output card
10.	Input slots	Supports DVI/HDMI/VGA/CVBS/YPbPr/FIBER/HDBaseT input
11.	Power Port	AC 220V-240V 50/60Hz
12.	Power Switch	Powe ON/OFF switch with light