

Introduction

The 1-card 1-port modular and expandable matrix switchers including the 9x9, 18x18 and 36x36 models, this series provides complete management of SD, HD, UHD, 2K, 4K60 4:4:4 HDR/SVM, and computer signals with advanced HDCP compliant, EDID management, the input and output cards are including HDMI/DVI/VGA/MAV/SDI/FIBER/HDBaseT.

In the Box

- 1* Matrix switch chassis(with or without Input/output cards)
- 2* Rack Ear(Some may installed in the chassis)
- 1 or 2*Power Cord(9x9 will be only one, 2 cords for 18x18 and 36x36)
- 1* grounding wires
- 1* IR remote control

Installation

This series matrix switchers can be mounted into a rack or placed onto a flat surface.

* 9x9 is a standard 2U height, 18x18 is a 4U height, 36x36 is a 8U height.

Mount into a Rack

Refer to the following sections for information about mounting the modular switchers into a rack.

*NOTE: Observe the following rack mount installation guidelines

Elevated Operating Ambient Temperature: If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient temperature. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (T_{ma}) specified by the manufacturer.

Reduced Airflow: Installation of the equipment in a rack should be such that the amount of airflow required for safe operation of the equipment is not compromised.

Mechanical Loading: Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.

Circuit Overloading: Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings

should be used when addressing this concern.

Reliable Earthing: Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g., use of power strips).

Place onto a Flat Surface

When placing the device onto a flat surface or stacking it with other equipment, attach the included feet near the corner edges on the underside of the device.

Connect the Cards

The cards consist of the Control card, various input and output cards. The control card is built-in the switchers, it's with 2*LAN(RJ45) ports and 2*RS232(DB-9) COM ports.



COM1&COM2: 115200, 8, 1, NONE

LAN1: 192.168.0.80

LAN2: 1921.68.1.80

TCP/IP: 5000. **UDP:** 4000

The input and output cards are sold separately and are installed at the factory prior to shipment of the switchers, including the 1080, 4K60 SVM, 4K60 HDR and 4K30 cards:

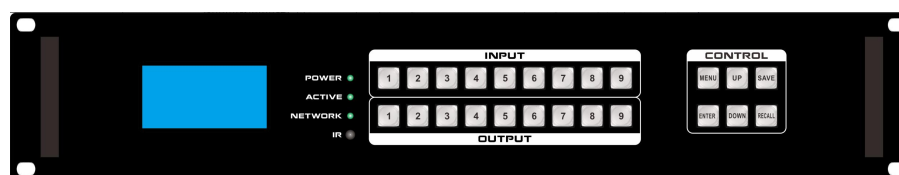
4K30 5V1A	4K30 HDMI input card with point-to-point input card		4K30 HDMI input card		4K30 HDMI output card		1080P	1080P 1080i input card		1080P 1080i output card with audio in	
	4K30 DP with point-to-point input card		4K30 70m HDBaseT input card		4K30 70m HDBaseT output card			1080P 1080i input card		1080P 1080i output card	
	4K30 HDMI input card with point-to-point output card		4K30 100m HDBaseT input card		4K30 100m HDBaseT output card			1080P 1080i output card with 75 Ohm and audio in		1080P 1080i output card with audio in	
	4K30 DP with point-to-point input card		4K30 Fiber Optic input card		4K30 Fiber Optic output card			1080P 1080i input card for 1080i resolution		1080P 1080i output card for 1080i resolution	
4K30 15V1A	4K30 HDMI output card with audio in		4K30 IPDT 150m input card		4K30 IPDT 150m output card		1080P	1080P 1080i input card		1080P 1080i output card with 75 Ohm and audio in	
	4K30 HDMI output card with audio out							1080P 1080i input card		1080P 1080i output card	
	4K30 HDMI output card with audio in and out							1080P 1080i input card for 1080i resolution		1080P 1080i output card for 1080i resolution	
	4K30 HDMI input card with audio in							1080P 1080i output card		1080P 1080i output card	

After have the above cards connected, then can start to power on the matrix switcher by turning on the ON/OFF switch from the back side of the matrix switcher.

Matrix Switching

Switch inputs to one or more of the available outputs, can be done from the front push-button, IR remote, WEB GUI, APP or the RS232/TCP/IP/UDP commands.

Front Panel push-button Controls:



Press the appropriate IN button that corresponds to the input to be routed. The LED of the selected input lights. In addition, the LEDs of the outputs to which the input is currently routed also light.

Press the appropriate OUT buttons that correspond to the desired outputs. The LEDs of the selected outputs flash to indicate that the input is not yet routed.

To disconnect an input from an output: Press the desired OUT button and lights off.

IR remote: Can refer to the full user manual

WEB GUI, APP: Can refer to the full user manual

RS232/TCP/IP/UDP commands: Can refer to the full user manual