## Introduction

This is a modular matrix switcher, with 9 input slots and 9 output slots, so it can support maximum 36 inputs and 36 outputs as it's using 1-card 4-port cards, 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.

With the dual RS232 and LAN control, users also can simply set up and control the surrounding equipment, such as the projector, electric curtain and TVs.

This matrix switchers have been widely used in the conferencing, radio&television project, multimedia conferencing hall, large screen display project, television teaching, command control center and so on applications.

## Features

➢ Modular designing chassis, with 36 input slots and 36 output slots
➢ 1-card 4-port input and output card
➢ Supports 1080P(4K30 and 4K60 cards are under developing) for selections
➢ Supports DVI-I/ HDMI/ 3GSDI/ 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
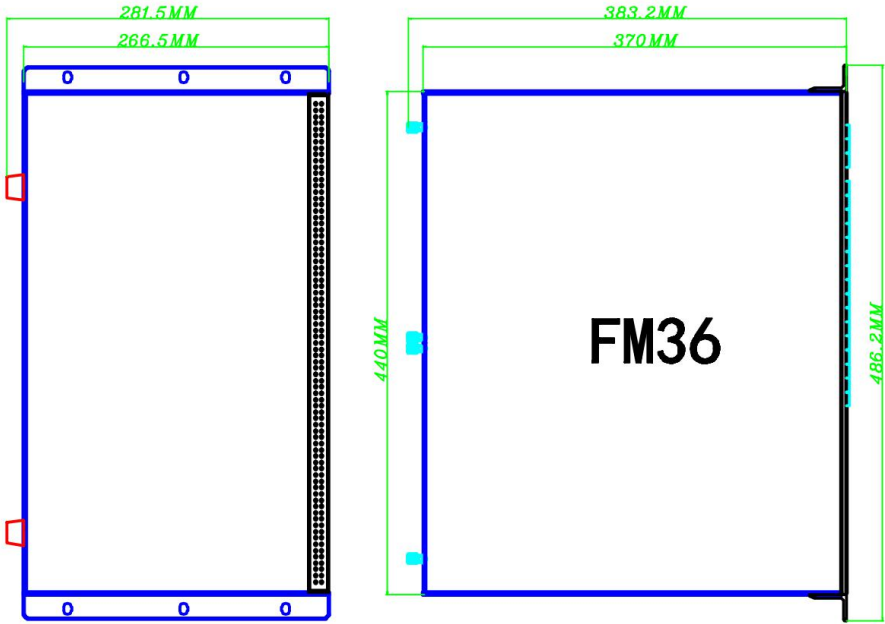
## Specification

| Model | FM-3600 |
|---|---|
| Description | 36x36 modular matrix switcher |
| Input | 1-card 4-port input, including DVI/HDMI/VGA/CVBS/YPbPr/SDI/ HDBaseT/Fiber |
| Output | 1-card 4-port output, including DVI/HDMI/VGA/CVBS/YPbPr/SDI/ HDBaseT/Fiber |
| Protocol Standard | Supports HDMI1.4, HDCP1.4, HDMI2.0.HDCP2.2 |
| Color Space | Support RGB444, YUV444, YUV422 , x.v.C standard color extension |
| Resolution | 640×480---3840×2160@60Hz(VESA ), 480i---4K@60Hz(HDTV ) |
| Distance | HDMI/DVI: 15m/40ft ; HDBaseT: 70m/220ft; Fiber: 2km/6000ft |
| Control | iOS/Android Apps, WEB GUI, RS232 & Front buttons with background light |
| Power | AC: 110V—260V 50/60Hz |
| Consumption | 17W(No Cards) |
| Dimension | 6U, 482*405*267(mm)/ 18.97*15.35*10.5(inch); Packing size: 56*51*25(cm) |
| Weight | 13kg/ 28.66lbs (No Cards) |
| Work Temperature | 0℃ ~50℃ |
| Storage Temperature | -20℃ ~55℃ |

## Input and output card

## Matrix Size Drawing(482*282*385)mm(L*H*D)



## Connection diagram