

# PRO-MAX0808/1616/3636/7272/144144/288288

PRO-MAX series hybrid matrix switchers



PRO-MAX0808  
Size (mm):  
483(L)×400(W)×88(H)



PRO-MAX1616  
Size (mm):  
483(L)×400(W)×132.5(H)



PRO-MAX3636  
Size (mm):  
483(L)×400(W)×310(H)



PRO-MAX7272  
Size (mm):  
483(L)×400(W)×532.6(H)



PRO-MAX144144  
Size (mm):  
483(L)×400(W)×1043(H)



PRO-MAX288288  
Size (mm):  
1200(L)×800(W)×1240(H)

## Product overview

The PRO-MAX series hybrid splicing matrix switchers are a group of seamless switchers which can cross-switch and splice multiple types of signals. High-performance hardware design ensures it supports for various high definition digital and analog signals, bi-directional RS-232 and IR control signal management. They can splice one input graphic signal into multiple channels and disperse to different display units to form a complete large-scale frame. This can provide one-stop solution for multiple types of visual signals and control signals switching and processing in various industries, especially for Broadcasting and Television Projects, Multimedia Meeting Rooms, Big Display Projects, TV Education, Smart Traffic Management Centers, and Command Center, etc.

## Features

- Full digital switching: real seamless switching for all types of output cards.
- All splicing output cards support video signal splicing and assembling; supports graphic windows scaling, overlapping, and roaming over the whole graphic frame.
- The preview card supports video signal preview and switching function.
- Support DVI 1.0 protocol, and compatible with HDCP 1.3 and HDMI 1.3a standards.
- Support hot-swap, video and audio signal synchronized switching, and AUTO DELAY for audio signal.
- Support EDID read and PC Management Software.
- Support built-in and local bi-directional RS-232 and IR control signal with H-CAT inputs and outputs; Support control signals and video/audio synchronized and separate switching; Support POE function.
- Versatile management methods: IR Remote Control, RS-485, RS-232 and Network Control, and Serial Port Control at remote end via H-CAT inputs and outputs. This brings great convenience for the users to integrate the signal management and control with various other equipments at the remote end.
- Support firmware online upgrade.
- Intelligent control the operation of fan in matrix.
- SDI input can achieve looping out.
- Plug-in design for cards, the input and output signal type and signal channel amount can be allocated flexibly.

## Specifications

| The parameter name         | PRO-MAX0808/1616/3636/7272/144144/288288                          |   |
|----------------------------|---|---|
| Interface                  | The input card can be connected to<br>Quantity / input channels   | 2/8 4/16 9/36 18/72 36/144 72/288   |
|                            | The output card can be connected to<br>Quantity / output channels | 2/8 4/16 9/36 18/72 36/144 72/288   |
| Support input card type    | Support input card type   | PMAX-IN HDMI4; PMA-IN DV14;<br>PMA-IN HD4; PMA-IN VGA4;<br>PMA-IN SF4; PMA-IN SD14  |
|                            | Support output card type  | Seamless output card:<br>PMA-OUT HDMI4; PMA-OUT DV14;<br>PMA-OUT HD4; PMA-OUT VGA4;<br>PMA-OUT SF4; PMA-OUT SD14<br>Output card:<br>PMA-OUT HDMI4; PMA-OUT DV14;<br>PMA-OUT HD4; PMA-OUT VGA4;<br>PMA-OUT SF4; PMA-OUT SD14 |
| Interface bandwidth        | 6.75Gbps  |   |
| Serial port control        | Serial port control interface                                     | RS-232, 9-pin female D interface and 9-pin male D interface   |
|                            | The baud rate and protocol  | Baud rate: 9600, Data bits: 8<br>Stop bit: 1, No parity   |
|                            | Structure of serial control                                       | 9-pin D female interface: 2 = TX,<br>3 = RX, 5 = GND<br>9-pin D male interface: 2 = TX,<br>3 = RX, 5 = GND  |
| Keyboard control interface | Keyboard control interface  | 4 bit 3.8mm Phoenix interface   |
|                            | Use   | Use with the expansion keyboard MCP100  |
| Ethernet control           | Keyboard control port structure                                   | +5V=DC5V, + = DATA+, -=DATA-<br>GND = Signal ground   |
|                            | Ethernet control interface  | RJ-45 bus interface   |
|                            | Ethernet Control Protocol   | TCP/IP  |
| Ethernet control rate      | Ethernet control rate   | Self-adaptive 10M/100M full-duplex or half-duplex   |
| Specifications             | Working power supply  | 100VAC ~ 240VAC, 50/60 Hz.<br>The international adaptive power supply (POE power supply is selectable for 3636/7272/144144)   |
|                            | Storage, use temperature  | 0°C □ 50°C  |
|                            | Storage, use humidity   | 20% □ 70%   |
|                            | Box size  | 2U □ 3U □ 7U □ 12U □ 24U  |
| Weight (without card)      | Weight (without card)   | About 5kg □ About 7kg □ About 16kg<br>About 29kg □ About 60kg □ About 250kg   |
|                            | No-load power consumption (without card)                          | 18W 18W 30W 30W 70W 300W  |
| Mean time between failures | Mean time between failures  | 30000 hours   |
| The warranty               | The warranty  | 1 year free warranty  |