



Large Modular Matrix Switcher - 4K&Seamless&VideoWall



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4K60 Modular Matrix Switcher Series

with Video Wall Function



Large Modular Matrix Switcher Chassis

The large Matrix Switchers are the modular matrix systems using the 80x80 or the 160x160 chasis to customize mix signals and flexible configuration. The matrices allow any input to be routed to any output, or the same input to be routed to all outputs, or any combination. The Modular Matrix Switchers are either Seamless 1080p, 4K/30 or 4K/60 compliant & controlled via front 10 inch touch color screen, WEB GUI browser control, TCPIP, RS-232 serial port & the iOS/Android App and optional RS232 control panel.



TOUCH-MANAGER-800



TOUCH-MANAGER-1600



Features

- The 80x80 and 160x160 Modular Design w/4-Port Cards
- iOS/Android Apps, WEB GUI, RS232 & 10" Color Touchscreen
- Optional Video Wall function
- Optional 3.5mm audio and Scaling up&down on Ins & Outs
- Optional Seamless Switching, no black or blue screen when scwitching
- Supports the redundant power supply system



Specification

Model	TOUCH-MANAGER-800		TOUCH-MANAGER-1600
Description	80x80 Modular Matrix System Chassis		160x160 Modular Matrix System Chassis
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	Support HDMI1.4, HDMI2.0, DVI1.0. HDCP1.4, HDP2.2		
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 & 10" Color Touchscreen		
Power	AC: 110V—260V 50/60Hz		
Consumption	180W(No Cards)		340W(No Cards)
Dimension	16U, 482*390*726(mm)/ 18.97*15.35*28.58(inch)		31.5U, 482*465*1400(mm)/ 18.97*18.30*55.11(inch)
Weight	28kg/61.7294lbs (No Cards)		45kg/ 99.21lbs (No Cards)
Work Temperature	0°C ~50°C		
Storage Temperature	-20°C ~55°C		

Input&Output Cards for 80x80 and 160x160 card cage chassis

1-card 4-port Cards

Input	1080P-MAV(DVI-I) seamless	
	1080P-HDMI seamless	
	1080P-3G SDI Seamless	
	1080P-HDBaseT seamless 70m/220ft &100m/330ft	
	4K30- HDMI with audio	
	4K30-HDBaseT 35m/110ft &70m/220ft	
	4K30-Fiber Optic 2000m/6000ft	
	4K60 HDMI seamless	
Output	1080P-MAV(DVI-I) seamless	
	1080P-HDMI seamless Video Wall	
	1080P-3G SDI Seamless	
	1080P-HDBaseT seamless 70m/220ft &100m/330ft Video Wall	
	4K30- HDMI with audio	
	4K30-HDBaseT 35m/110ft &70m/220ft	
	4K30-Fiber Optic 2000m/6000ft	
	4K60 HDMI seamless Video Wall	



1-Port 1-Card Modular Matrix Switcher

9x9, 18x18 and 36x36 Matrix Switch Chassis

All the 9x9, 18x18, 36x36 chassis back planes convert & switch flawlessly eliminating external converters. The matrices allow any input to be routed to any output, or the same input to be routed to all outputs, or any combination. These ModularMatrix Switchers are either Seamless 1080p, 4K/30 or 4K/60 compliant & controlled via front panel push buttons, WEB GUI browser control, TCPIP, RS-232 serial port & the supplied iOS/Android App and optional RS232 control button panel.



MINI-MANAGER-900



MINI-MANAGER-1800



MINI-MANAGER-3600



Features

- The 9x9, 18x18 and 36x36 Modular Design w/1-Port Cards
- iOS/Android Apps, WEB GUI, RS232 & front push buttons
- Optional Video Wall function
- Optional 3.5mm audio and Scaling up&down on Ins & Outs
- Optional Seamless Switching, no black or blue screen when scwitching
- Supports redundant power supply and optional touchscreen control for the 18x18 and 36x36



Speciation

Model	MINI-MANAGER-900	MINI-MANAGER-1800	MINI-MANAGER-3600
Description	9x9 modular matrix chasis	18x18 modular matrix chasis	36x36 modular matrix chasis
Input	1-card 1-port input, including DVI/HDMI/VGA/CVBS/YPbPr/SDI/ HDBaseT/Fiber		
Output	Support DVI/HDMI/VGA/CVBS/YPbPr/SDI/HDBaseT/Fiber Otpic output		
Protocol Standard	1-card 1-port output, including DVI/HDMI/VGA/CVBS/YPbPr/SDI/ HDBaseT/Fiber		
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 push buttons		
Power	AC: 110V—260V 50/60Hz		
Consumption	17W(No Cards)	21W(No Cards)	30W(No Cards)
Dimension	2U, 482×385×89(mm) 18.97*15.35*3.51(inch)	4U, 482×385×178(mm) 18.97*15.35*7.01(inch)	8U, 482×385×355(mm) 18.97*15.35*13.97(inch)
Weight	6kg/ 13.22lbs (No Cards)	13kg/ 28.66lbs (No Cards)	25kg/55.12lbs(No Cards)
Work Temperature	0°C ~50°C		
Storage Temperature	-20°C ~55°C		



1-Port 1-Card Modular Matrix Switcher

Input&Output Cards for 9x9, 18x18 and 36x36card cage chassis

1 Card 1 Port Cards

Input	1080P-MAV(DVI-I) seamless	
	1080P-HDMI seamless	
	1080P-3G SDI Seamless	
	1080P-HDBaseT seamless 70m/220ft &100m/330ft	
	4K30- HDMI with EDID key	
	4K30- HDMI with audio	
	4K30-HDBaseT 35m/110ft &70m/220ft	
	4K60-HDMI seamless	
Output	1080P-MAV(DVI-I) seamless	
	1080P-HDMI seamless Video Wall	
	1080P-3G SDI Seamless	
	1080P-HDBaseT seamless 70m/220ft &100m/330ft Video Wall	
	4K30- HDMI with audio	
	4K30-HDBaseT 35m/110ft &70m/220ft	
	4K30- Dual HDMI output card	
	4K60 HDMI seamless Video Wall	



8x8 and 16x16 Matrix Switch Chassis

All the 8x8 and the 16x16 chassis back planes convert & switch flawlessly eliminating external converters. The matrices allow any input to be routed to any output, or the same input to be routed to all outputs, or any combination. These ModularMatrix Switchers are either Seamless 1080p, 4K/30 or 4K/60 compliant & controlled via front panel push buttons, WEB GUI browser control, TCPIP, RS-232 serial port & the supplied iOS/Android App and the optional RS232 control button panel.



FM-800



FM-1600



Features

- 8x8, and 16x16 Modular Design w/4-Port Cards
- iOS/Android Apps, WEB GUI, RS232 & front push buttons
- Optional Video Wall function
- Optional 3.5mm audio and Scaling up&down on Ins & Outs
- Optional Seamless Switching, no black or blue screen when switching
- Supports redundant power supply



Speciation

Model	FM-800	FM-1600
Description	8x8 modular matrix chasis	16x16 modular matrix chasis
Input	1-card 4-port input, including IP/HDMI/VGA/CVBS/YPbPr/SDI/ HDBaseT/Fiber	
Output	1-card 4-port output, IP/Multiview/Audio/Central control/ HDMI/VGA/CVBS/YPbPr/SDI/ HDBaseT/Fiber	
Protocol Standard	Support HDMI1.4, HDMI2.0, DVI1.0. HDCP1.4, HDP2.2	
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 & 10" Color Touchscreen	
Power	AC: 110V—260V 50/60Hz	
Consumption	15W(No Cards)	17W(No Cards)
Dimension	2U, 482*405*89(mm) 18.97*15.35*3.51(inch)	3U, 482*405*138(mm) 18.97*15.35*5.43(inch)
Weight	6kg/ 13.22lbs (No Cards)	13kg/ 28.66lbs (No Cards)
Work Temperature	0°C ~50°C	
Storage Temperature	-20°C ~55°C	



Input&Output Cards for 8x8 and 16x16 card cage chassis

1-card 4-port Cards

Input	1080P-HDMI seamless	
	1080P-3G SDI Seamless	
	1080P-HDBaseT seamless 70m/220ft &100m/330ft	
	4K30- HDMI with audio	
	4K30-HDBaseT 35m/110ft &70m/220ft	
	4K30-Fiber Optic 2000m/6000ft	
	4K60 HDMI seamless	
	H.264/265 IP Encoding(RTSP/ONVIF)	
	2 HDMI + 2 SDI mixed	
Output	1080P-HDMI seamless Video Wall	
	1080P-3G SDI Seamless	
	1080P-HDBaseT seamless 70m/220ft &100m/330ft Video Wall	
	4K30- HDMI with audio	
	4K30-HDBaseT 35m/110ft &70m/220ft	
	4K30-Fiber Optic 2000m/6000ft	
	4K60 HDMI seamless Video Wall	
	H.264/265 IP Decoding(RTSP/ONVIF)	
	4K60 HDMI Multiviewer output card	
	8x8 Audio Processor(DSP+48V)	
	Central control	