

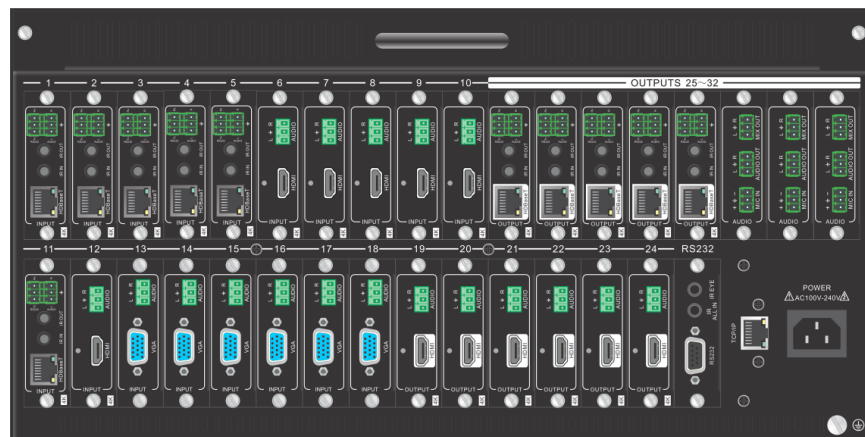
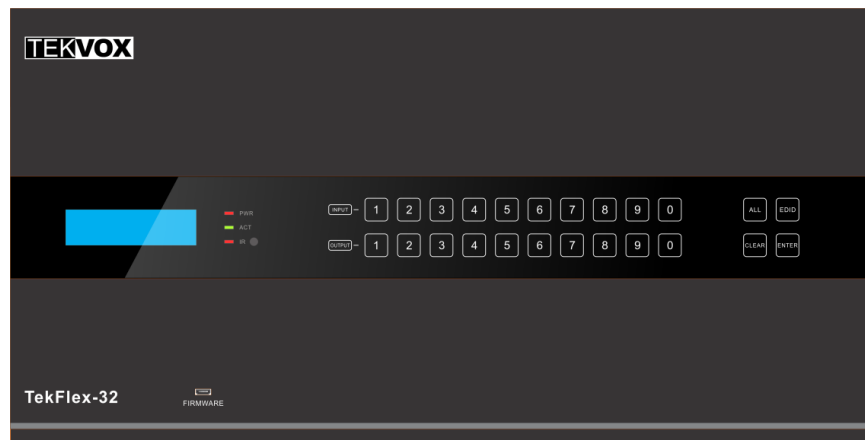
TekFlex-32

79202 Data Sheet

The TekFlex-32 is a high-performance, seamless HD-AV flexible matrix switcher providing 24 flexible slots for input / output cards and 8 fixed output slots. With its advanced modular design, the TekFlex-32 can accommodate any configuration from a 24x8 to 1x31 matrix. Possible input card connector types include HDMI, DVI, SDI, HDBase-T, and VGA. Output cards include HDMI, DVI, HDBase-T, and VGA. All cards support plug-and-play installation, and are hot-swappable. Seamless switching is supported on all cards, with built-in scalers on all outputs.

Features:

- 24 flexible input/output card slots, 8 fixed output card slots
- Comprehensive signal card compatibility: HDMI, DVI, SDI, VGA, HDBaseT
- Automatically recognizes input and output cards
- Individually adjustable output resolution & EDID management
- Seamless AV distribution through different AV signals
- Controllable via front panel buttons, IR, RS-232 & TCP/IP



TekFlex-32

79202 Technical Specifications

TekFlex-32 (79202)	
Input/Output Card Capacity	32 Total 8 Fixed Output Slots 24 Flexible Input/Output Slots
Control Ports	RS-232 (3 Pin Phoenix) IR Eye (3.5mm mini jack) IR All In (3.5mm mini jack) TCP/IP (RJ45, Female)
Baud Rate	9600 bps
Power Supply	100~240V AC
Power Consumption	508W (fully loaded)
Temperature	32 ~ 122°F (0 ~ 50°C)
Humidity	10 ~ 90%
Size	17.2" (437mm) x 8.72" (221mm) x 15.1" (384mm)
Weight	26.1 lbs. (11.84kg)
TFX-ISD (79214) – SDI Input Card	
Input	1 SDI (BNC, Female)
Output	1 SDI Loop (BNC, Female)
Signal Format	3G-SDI/HD-SDI/SDI
Supported Resolutions	Up to 1920x1080p
Transmission Distance	Up to 325 ft. (100m) @1080p
Power Consumption	6.1W (max)
Temperature	32 ~ 122°F (0 ~ 50°C)
Humidity	10 ~ 90%
TFX-OVG (79221) – VGA Output Card	
Output	1 VGA (15 Pin HD, Female) 1 Analog Audio (3 Pin Phoenix)
Signal Formats	VGA, CVBS, YPbPr
Output Resolutions	VGA: 1920x1200, 1080p, 1080i, 1280x1024, 720p, 1024x768, 800x600 YPbPr: 1080p, 1080i, 720p CVBS: 576i, 480i
Power Consumption	4W (max)
Temperature	32 ~ 122°F (0 ~ 50°C)
Humidity	10 ~ 90%
TFX-IUH (79230) – HDMI Input Card	
Input	1 HDMI (19-Pin, Female) 1 Analog Audio (3 Pin Phoenix)
Compliances	HDMI 1.4 & HDCP 2.2
Power Consumption	4W (max)
Temperature	32 ~ 122°F (0 ~ 50°C)
Humidity	10 ~ 90%
TFX-IUV (79232) – VGA Input Card	
Input	1 VGA (15-Pin, Female) 1 PCM Analog Audio (3 Pin Phoenix)
Supported Resolutions	Up to 1920x1080p@50/60Hz
Frequency Response	20Hz ~ 20kHz, ±0.5dB
Power Consumption	2W (max)
Temperature	32 ~ 122°F (0 ~ 50°C)
Humidity	10 ~ 90%

TekFlex-32

79202 Technical Specifications

TFX-OUH (79240) – HDMI Output Card	
Output	1 HDMI (19-Pin, Female) 1 Analog Audio (3 Pin Phoenix)
Supported Resolutions	Automatic, 4Kx2K@60Hz 4:2:0, 4Kx2K@30Hz, 1024x768@60Hz, 1920x1080p@60Hz, 1280x720@60Hz
Compliances	HDMI 1.4 & HDCP 2.2
Power Consumption	1.5W (max)
Temperature	32 ~ 122°F (0 ~ 50°C)
Humidity	10 ~ 90%
TFX-OAU (79250) – Audio Output Card	
Input	Mic/Line PCM Audio (3 Pin Phoenix)
Output	1 Mix PCM Audio (3 Pin Phoenix) 1 PGM PCM Audio (3 Pin Phoenix)
Frequency Response	20Hz ~ 20kHz, ±0.5 dB
Common-Mode Rejection Ratio	>85dB@20Hz ~ 20kHz
Power Consumption	5W (max)
Temperature	32 ~ 122°F (0 ~ 50°C)
Humidity	10 ~ 90%
TFX-IBT+ (79253) – HDBase-T Input Card	
Input	1 HDBaseT (RJ45, Female) 1 Analog Audio (3 Pin Phoenix) 1 RS232 (3 Pin Phoenix)
Compliances	HDMI 2.0, HDCP 2.2, HDBaseT 1.0
Supported Resolutions	4Kx2K@60/30Hz, 1024x768, 1920x1080, 1280x720
Bandwidth	18 Gbps
Transmission Distance	1080p: 325 ft (100m) 4K: 230 ft (70m)
Power Consumption	15W (max)
Temperature	32 ~ 122°F (0 ~ 50°C)
Humidity	10 ~ 90%
TFX-OBT+ (79263) – HDBase-T Output Card	
Outputs	1 HDBaseT (RJ45, Female) 1 Analog Audio (3 Pin Phoenix) 1 RS232 (3 Pin Phoenix) 1 IR Out (3.5mm mini jack)
Input	1 IR In (3.5mm mini jack)
Compliances	HDMI 2.0, HDCP 2.2, HDBaseT 1.0
Supported Resolutions	4Kx2K@60/30Hz, 1024x768, 1920x1080, 1280x720
Bandwidth	18 Gbps
Transmission Distance	1080p: 325 ft (100m) 4K: 230 ft (70m)
Power Consumption	15W (max)
Temperature	32 ~ 122°F (0 ~ 50°C)
Humidity	10 ~ 90%

Specifications are subject to change without notice