

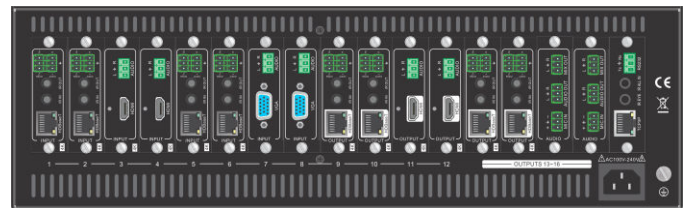
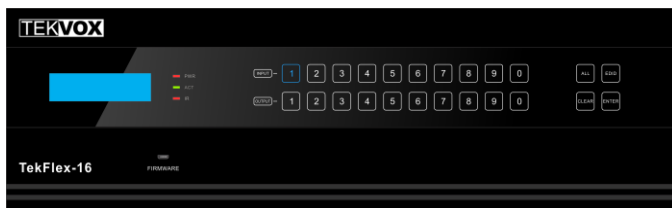
# TekFlex-16

## 79201 Data Sheet

The TekFlex-16 is a high-performance seamless HD-AV flexible matrix switcher provides 12 flexible slots for input / output cards and 4 fixed output slots. With its advanced modular design, the TekFlex-16 can accommodate any configuration from a 12x4 to 1x15 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:

- 12 flexible input/output card slots, 4 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
- Control sources & displays remotely with routable RS-232 commands



# TekFlex-16

## 79201 Technical Specifications

TekFlex-16 (79201)	
<b>Input/Output Card Capacity</b>	16 Total 4 Fixed Output Slots 8 Flexible Input/Output Slots
<b>Control Ports</b>	RS-232 (3 Pin Phoenix) IR Eye (3.5mm mini jack) IR All In (3.5mm mini jack) TCP/IP (RJ45, Female)
<b>Baud Rate</b>	9600 bps
<b>Power Supply</b>	100~240V AC
<b>Power Consumption</b>	270W (fully loaded)
<b>Temperature</b>	32 ~ 122°F (0 ~ 50°C)
<b>Humidity</b>	10 ~ 90%
<b>Size</b>	17.2" (437mm) x 5.25" (134mm) x 12.6" (320mm)
<b>Weight</b>	14 lbs. (6.35kg)
TFX-ISD (79214) – SDI Input Card	
<b>Input</b>	1 SDI (BNC, Female)
<b>Output</b>	1 SDI Loop (BNC, Female)
<b>Signal Format</b>	3G-SDI/HD-SDI/SDI
<b>Supported Resolutions</b>	Up to 1920x1080p
<b>Transmission Distance</b>	Up to 325 ft. (100m) @1080p
<b>Power Consumption</b>	6.1W (max)
<b>Temperature</b>	32 ~ 122°F (0 ~ 50°C)
<b>Humidity</b>	10 ~ 90%
TFX-OVG (79221) – VGA Output Card	
<b>Output</b>	1 VGA (15 Pin HD, Female) 1 Analog Audio (3 Pin Phoenix)
<b>Signal Formats</b>	VGA, CVBS, YPbPr
<b>Output Resolutions</b>	VGA: 1920x1200, 1080p, 1080i, 1280x1024, 720p, 1024x768, 800x600 YPbPr: 1080p, 1080i, 720p CVBS: 576i, 480i
<b>Power Consumption</b>	4W (max)
<b>Temperature</b>	32 ~ 122°F (0 ~ 50°C)
<b>Humidity</b>	10 ~ 90%
TFX-IUH (79230) – HDMI Input Card	
<b>Input</b>	1 HDMI (19-Pin, Female) 1 Analog Audio (3 Pin Phoenix)
<b>Compliances</b>	HDMI 1.4 & HDCP 2.2
<b>Power Consumption</b>	4W (max)
<b>Temperature</b>	32 ~ 122°F (0 ~ 50°C)
<b>Humidity</b>	10 ~ 90%
TFX-IUV (79232) – VGA Input Card	
<b>Input</b>	1 VGA (15-Pin, Female) 1 PCM Analog Audio (3 Pin Phoenix)
<b>Supported Resolutions</b>	Up to 1920x1080p@50/60Hz
<b>Frequency Response</b>	20Hz ~ 20kHz, ±0.5dB
<b>Power Consumption</b>	2W (max)
<b>Temperature</b>	32 ~ 122°F (0 ~ 50°C)
<b>Humidity</b>	10 ~ 90%
<b>Fill out spec. categories on left</b>	Include values for product on right for each category

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## 79201 Technical Specifications

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

Specifications are subject to change without notice