

## 4K Flexible 16 Input / Output Seamless Matrix Switcher

4K Glitch-free modular matrix with 16 PCIe slots and HDCP 2.2

MPN: FLEX-MMX16



The **KanexPro FLEX-MMX16** is a 4K seamless video modular matrix designed with sixteen (16) adaptable PCIe slots. Twelve cards for input / output and 4 - dedicated video output for use with single 4K HDMI and HDBaseT™ input and output cards. System integrators can create a flexible and glitch-free AV system based on project requirements ranging from 15x1,8x8,4x8-to-1x11 input and output combinations supporting full HDCP 2.2 with PoH (Power over HDBaseT) up to 230 feet. The switcher is packed with its own built-in control system to switch and route via a built-in web based GUI or using TCP/IP (Ethernet network). RS-232 serial protocol can also be used for basic controlling and switching.

With powerful EDID to detect display information and HDCP 2.2 management, this adaptable matrix supports zero transfer switching with automatic scaling and independent routing of audio and video to compensate for any signal attenuation caused.

### FEATURES

- Flexible Matrix Switcher with 16 PCIE slots
- 12 I/O slots & 4 dedicated outputs
- 4K glitch-free seamless switching
- Supports video resolutions up to 4K, 1080p & WUXGA
- VGA, DVI, SDI, HDMI & HDBaseT card compatibility
- Auto-sensing of input or output signals
- Built-in EDID management
- HDCP 2.2 compliant
- Controllable via front panel buttons, IR, RS232 & TCP/IP
- Built-in web based GUI for quick access to control via network
- Adjustable output resolution
- Firmware upgrade via USB port
- 10 global presets
- Internal power supply (100Volt-240Volt AC, 50/60Hz)
- Backed by KanexPro 3-Year full parts & labor warranty

### SPECIFICATIONS

#### Chassis:

- Metal Frame with PCIe card slots

#### Card type:

- Thumbscrew based PCIe control connectors

#### Card Configurations:

- 12 I/O cards for any input & output
- 4 - Dedicated output ports (non-interchangeable)

#### Control:

- 1 x IR EYE
- 1 x RS232
- 1 x Ethernet Card Slot
- 16 x PCIe Slots

#### Control Connectors:

- 1 x 3.5mm mini jack
- 1 x 3-pin pluggable terminal block
- 1 x RJ45

## SPECIFICATIONS

### General:

- Video Standards
- Resolution: can be used with 4K or 1080p flex cards
- Power Supply: 100-240V AC
- Power Consumption: 181.5 watts
- Operating Temperature: 0-50 C
- Operating Temperature: 0° to +40° C (+32° to +104° F)
- Storage Temperature -10° to +60° C (+14° to +140° F)
- Operating Humidity 20% to 90%, Non-condensing
- Reference Humidity: 10%-90%
- Storage Humidity 20% to 90%, Non-condensing
- Installation: Rack mountable

### Power, ESD & Regulatory:

- International Power Supply: 110VAC - 240VAC, 50/60Hz
- Power Consumption: 135 watts fully populated
- ESD protection: 15kV
- Regulatory: CE, FCC
- Dimensions: (W x H x D) 19.0" x 3.4" x 15.0" (483x 88x 380mm)
- Weight 11.45 Lbs. (5.2 kg)
- Diagnostic Indicators: LCD output status & power LED

### Warranty: 3-Year Parts & Labor

**Note:** Cable grade, cable quality, source and destination equipment, RF and electrical interference, and cable patches may affect distances and picture quality.

