4K UHD 16x16 Modular Matrix Switcher

Field-upgradeable, Modular Matrix Chassis with IR, Ethernet & RS-232 Control

MPN: HDMMX1616-4K

The **KanexPro HDMMX1616-4K** is a sixteen input by sixteen output modular matrix switcher chassis with four input slots and four output slots; each modular input or output card supports up to four device connections. As an add-on to front panel control, the HDMMX1616-4K can be controlled via IR, RS232, or TCP/IP connections.

The optional modular input cards include the following connections: HDMI, DVI, VGA, HDBaseT (with RS232 and bi-directional wide-band IR), Fiber Optic and analog video with digital scaling via HD15 (VGA-UXGA, RGBHV, RGBS, RGsB, RsGsBs, component video, S-video and composite video). The modular output cards include the following connections: HDMI, SDI, DVI, VGA, HDBaseT and Fiber Optic.

Applications

Ideal for various commercial applications such as, control centers, smart lecture halls, medical and government facilities and residential environments where 4K UHD signal distribution and audio is critical.

FEATURES

- Customizable 16x16 modular switch serving various AV connections
- 4K UHD resolution via HDMI & HDBaseT
- Supported connections: VGA, SDI, DVI, HDMI, HDBaseT & Fiber optic
- High-bandwidth up to 10.2 Gbps
- Add I/O modular cards based on expandability
- Cross-point ultra-switching
- Advanced HDCP & EDID management
- Hot swappable design
- Clear illuminated buttons
- Control via IR, Ethernet & RS-232
- 10 global presets
- Front panel LCD for switching & status
- Front panel security lock
- 3 RU rack-mountable aluminum enclosure
- Dual-Internal power supply (100Volt-240Volt AC, 50/60Hz)
- Backed by KanexPro 3-Year full parts & labor warranty

SPECIFICATIONS

Securing mechanism: Thumbscrew

I/O Connections:

- Chassis Input: 4 x Input Cards
- Chassis Output: 4 x Output Cards
- Bandwidth for each I/O: 340 MHz (10.2 Gbps)
- Input/ output impedance: 75 ohms
- Switching speed: 200ns (max)
- Gain: 0 dB
- Max delay: 5nS (+/- 1nS)

Control:

- Serial control port: RS-232, 9-pin female D connector
- Pin Configurations: 2 = TX, 3 = RX, 5 = GND
- Front panel control: Buttons
- TCP/IP Control via Ethernet
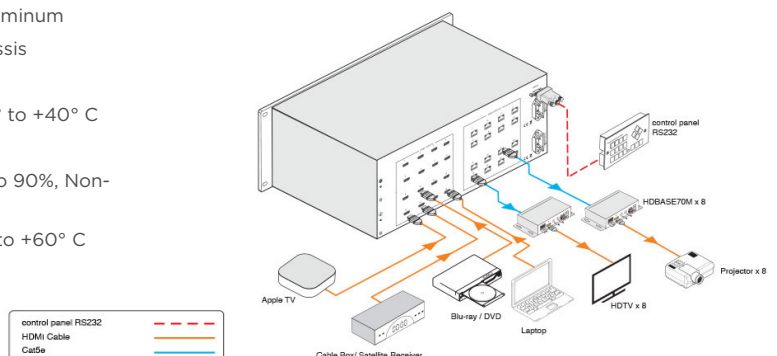
General & Environmental:

- Material: Black painted Aluminum
- Frame Size: 3 RU rack chassis
- Humidity: 10% ~ 90%
- Operating Temperature: 0° to +40° C (+32° to +104° F)
- Operating Humidity 20% to 90%, Non-condensing
- Storage Temperature -10° to +60° C (+14° to +140° F)
- 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, RoHs
- Case Dimension: 483mm x 356mm x 133mm (19 in. x 14 in. x 5.25 in.)
- Product Shipping Weight: 7.71 kg (17 lbs.)

Warranty: 3-Year Parts & Labor

Diagnostic Indicators: LCD output status & power LED

Included parts: Installation Guide, IR Remote, RS232 Cable, Power Cable, Modular Metal Blank (4) & Rubber Feet (4).