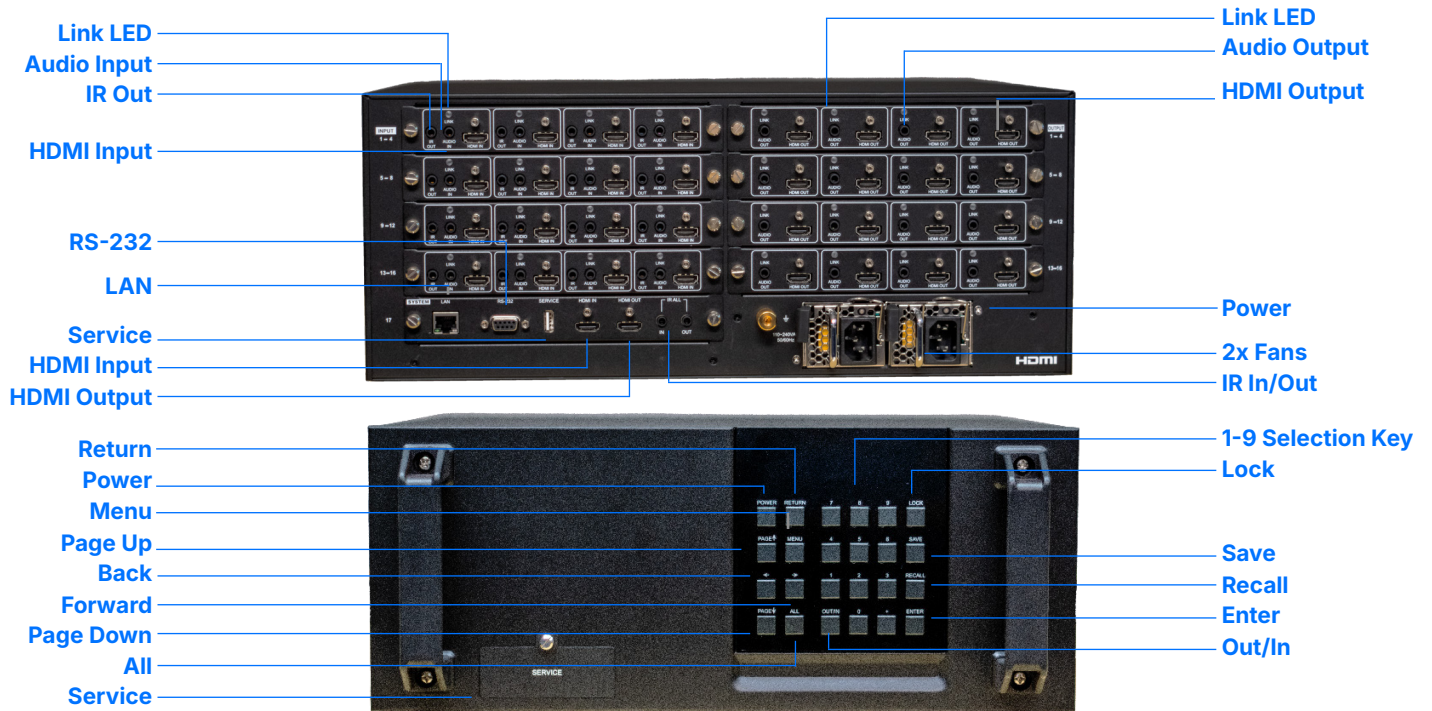


# LinkBridge™ 16x16 18G/4K Modular HDMI Matrix Switcher



## Overview

The LBS-1616H2M provides the ability to connect up to (16) 18G HDMI sources and up to (16) 18G HDMI displays and freely switch between them. A variety of I/O cards are available that offer four independent 18Gbps video signals simultaneously. This unit comes with full support for 18G resolutions up to and including 4K at 60Hz (4:4:4, 8-bit) as well as support for 10/12-bit Deep Color, HDR (High Dynamic Range). All ports support up to 7.1 channel LPCM digital audio and Bitstream/HD Bitstream audio formats. This unit provides an intuitive set of front panel controls with an LCD menu, WebGUI, Telnet, RS-232 or IR Remote Control.

## Features

- 4 input and 4 output card slots support 18Gbps, 4K UHD with HDR signals
- Up to 16 HDMI 4K UHD Inputs and outputs (up to 3840×2160@60Hz 4:4:4 & 4096×2160@60Hz 4:4:4)
- 1 system control card slot (supports one 4K UHD input and 4K UHD output port)
- Supports new HDCP 2.2 and 1.4 specifications for full compatibility with upcoming content
- Supports 3D pass-through
- Advanced EDID Management for rapid integration of sources and displays
- Field updatable firmware
- 3U rack mount design
- 2 hot-swappable, load sharing, redundant power supplies
- Integrated component failure alarm system

# LinkBridge™ 16x16 18G/4K Modular HDMI Matrix Switcher

## VIDEO SPECIFICATIONS

<b>Input</b>	ne (1) 18G/4K HDMI Ports Four (4) Card Slots
<b>Output</b>	One (1) 18G/4K HDMI Ports Four (4) Card Slots
<b>HDMI Compliance</b>	2.0
<b>Control</b>	One (1) Input IR Port One (1) Output IR Port

## INPUT CARD

<b>Input</b>	Four (4) 18G/4K HDMI Ports Four (4) Analog Stereo
<b>HDMI Video</b>	4096×2160@60Hz 8-bit YUV 4:4:4 HDR10
<b>HDMI Audio</b>	LPCM (8-Channels), Bitstream, HD Bitstream
<b>HDMI Compliance</b>	2.0
<b>Analog Audio</b>	2 Vrms, 50kOhm, unbalanced
<b>IR</b>	Four (4) Pass through IR Ports

## OUTPUT CARD

<b>Input</b>	Four (4) 18G/4K HDMI Ports Four (4) Analog Stereo
<b>HDMI Video</b>	4096×2160@60Hz 8-bit YUV 4:4:4 HDR10
<b>HDMI Audio</b>	LPCM (8-Channels), Bitstream, HD Bitstream
<b>HDMI Compliance</b>	2.0
<b>Analog Audio</b>	2 Vrms max, 50-ohm, Unbalanced

## CONTROL I/O

<b>RS-232</b>	1x up to 115200 baud
<b>Connector</b>	DB-9
<b>Ethernet</b>	100/1000 BaseT
<b>Connector</b>	1x RJ-45

## DIGITAL AUDIO

<b>LPCM Max Channels</b>	8
<b>LPCM Sampling Rate kHz</b>	32, 44.1, 48, 88.2, 96, 176.4, 192
<b>Bitstream Supported Formats</b>	Standard & Hi-Def

## PHYSICAL

<b>Dimensions</b>	19.06"(W) x 18.98" (D) x 6.97"(H)
<b>Operating Temperature</b>	0°C to 40°C
<b>Humidity</b>	0 to 95% RH, Non-Condensing
<b>Power Supply</b>	24V DC @ 6.25A Redundant Hot-Swappable

## ORDER INFORMATION

<b>LBS-1616H2M</b>	LinkBridge™ 16×16 Matrix Switcher
<b>LBS-4IN-H2</b>	18G/4K HDMI Input Card
<b>LBS-4OUT-H2</b>	18G/4K HDMI Output Card
<b>LBS-4OUT-H2-SCL</b>	18G/4K HDMI upscaling/ downscaling Output Card

## PANEL DRAWING

