

**Overview:**

The MuxLab HDMI 4x8 & 8x8 Matrix Switches, HDBT, PoE allows 4 or 8 HDMI sources to be switched/distributed to up to 8 remote displays via HDMI or unshielded twisted pair (UTP) cables for cost-efficient connectivity. Remote displays can be connected up to 230 feet (70 meters) @ 1080p Deep Color via Cat 5e/6 UTP/STP cables. The Matrix Switch works in conjunction with MuxLab's HDMI Receiver (500451-RX, 500454-RX or 500454-POE-RX).

**Applications:**

Commercial and residential AV systems, classroom projector systems, digital signage, boardroom systems, multi-room systems, classroom training, retail systems, collaborative PC systems, and medical information systems.

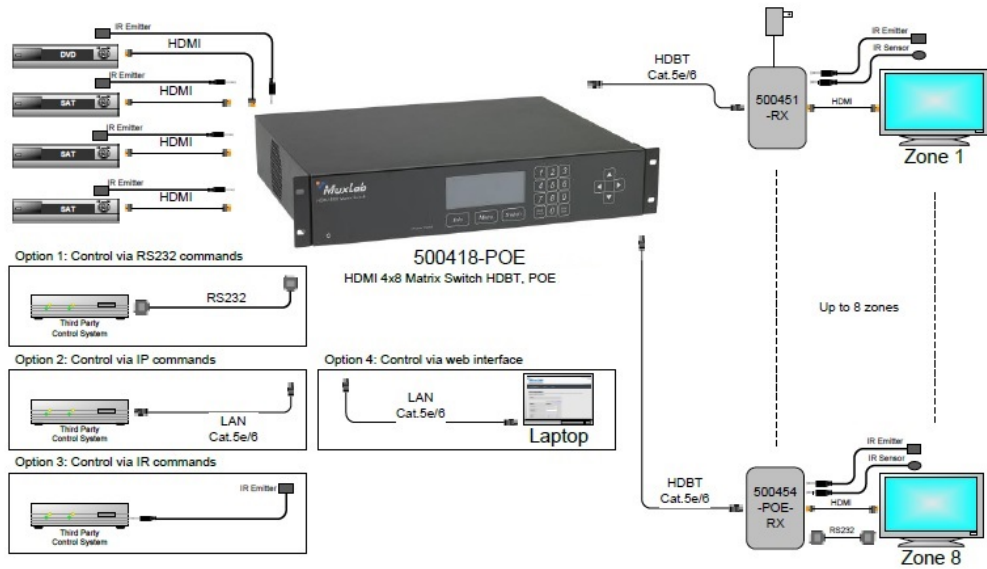
**Features:**

- Single modular RJ45 jacks
- UTP/STP extension for 1080p Deep Color up to 230 feet (70 meters) via Cat 5e/6 UTP/STP cables
- HDMI 3D support
- Seamless integration with MuxLab's HDMI Receiver (500451-RX, 500454-RX or 500454-POE-RX). Note: The 500451-RX doesn't support RS-232 and PoE functionality.
- HDMI input supported with resolution up to 1080p
- HDBaseT supported output
- Configurable EDID settings
- Web interface
- RS232 and USB CDC control
- Firmware is field upgradable
- Touch pad on front panel for manual control
- Device control over HTTP protocol
- 2U rackmount unit
- HDCP 1.4 compliant

<b>Environment</b>	HDMI 1.4A 3D Support
<b>Devices</b>	LCD and Plasma TVs, DVD and Blu-Ray players, monitors, projectors, PCs, laptops, home theatre systems, home theater PCs, game consoles.
<b>Transmission</b>	Transparent to the user
<b>Input</b>	Four (4) or Eight (8) HDMI and eight (8) IR Sensor (3.5 mm stereo)
<b>Output</b>	Eight (8) HDBaseT (RJ45) and four (4) or eight (8) IR Emitter (3.5 mm mono)
<b>Connectivity</b>	Ethernet LAN (RJ45), USB (Type B) and RS232 (DB9)
<b>Maximum Distance</b>	UTP/STP Cat 5e/6 output port: 230 feet (70 meters)
<b>Cables</b>	Cat 5e/6 UTP/STP cables (or better) required for HDBaseT port
<b>Power</b>	100-240 VAC 50/60Hz, 0.72 A
<b>Matrix Switching Time</b>	3 seconds (maximum)
<b>LED Diagnostics</b>	Power (Blue) LAN (Link (Green) and Activity (Yellow))
<b>Temperature</b>	Operating: 0°C to 40°C Storage: -20°C to 85°C Humidity: Up to 95% non-condensing
<b>Dimensions</b>	2U Rack Mountable: 19 x 13.6 x 3.5 in (483 x 345 x 88 mm)
<b>Accessories Included</b>	1 IR Sensor, 4 or 8 IR Emitters, Remote, USB Cable, RS232 Cable
<b>Shipping Weight</b>	21.6 lbs (9.8 kg)
<b>Regulatory</b>	FCC, CE, RoHS, WEEE
<b>Warranty</b>	Two (2) years
<b>Order Information</b>	500418-POE-US (UPC: 627699014185) HDMI 4x8 Matrix Switch, HDBT 500418-POE-UK (UPC: 627699914188) HDMI 4x8 Matrix Switch, HDBT 500418-POE-EU (UPC: 627699814181) HDMI 4x8 Matrix Switch, HDBT 500419-POE-US (UPC: 627699014196) HDMI 4x8 Matrix Switch, 4HDMI+4HDBT 500419-POE-UK (UPC: 627699914199) HDMI 4x8 Matrix Switch, 4HDMI+4HDBT 500419-POE-EU (UPC: 627699814192) HDMI 4x8 Matrix Switch, 4HDMI+4HDBT 500468-POE-US (UPC: 627699014684) HDMI 8x8 Matrix Switch, 4HDMI+4HDBT 500468-POE-UK (UPC: 627699914687) HDMI 8x8 Matrix Switch, 4HDMI+4HDBT 500468-POE-EU (UPC: 627699814680) HDMI 8x8 Matrix Switch, 4HDMI+4HDBT 500469-POE-US (UPC: 627699014691) HDMI 8x8 Matrix Switch, HDBT 500469-POE-UK (UPC: 627699914694) HDMI 8x8 Matrix Switch, HDBT 500469-POE-EU (UPC: 627699814697) HDMI 8x8 Matrix Switch, HDBT

# HDMI 4x8 & 8x8 Matrix Switch, HDBT, PoE 500418-POE, 500419-PoE, 500468-PoE, 500469-PoE

## Typical Application:



## Product Photos:

