AV over IP

MuxLab

02

ENVISION INFINITE CONNECTIVITY.

Imagine the ability to access and control any AV system from anywhere. Flexible installations that deliver spectacular image quality with lightning-swift results. Unprecedented levels of control through third party experts and MuxLab's ultra-intuitive MuxLab Control App. Imagine all of MuxLab's high performance offerings working behind the scenes to enable remote system management. Together, nothing can stop us from realizing your vision.

03

ADVANTAGES OF AV OVER IP.

Put simply, AV over IP is the delivery of AV signals over a standard Ethernet network including 4K/60 video, audio, peripherals and control signals.

Because it is so versatile, AV over IP is quickly becoming the industry-standard for installations in both commercial and residential markets. Its flexibility allows integrators to expand systems on a port-by-port basis, with system size limited only by the network bandwidth. Virtual infrastructure can be created and rearranged with signal delivery assigned to direct point-to-point, point-to-multipoint and multipoint-to-multipoint applications.

There are virtually no distance limitations, making it convenient and cost-effective to distribute AV and other signals around the world. Visually lossless video resolutions and ultra-low latency levels only improve performance. Integrators can utilize existing network infrastructures, pay for additional ports as they build and eliminate extension cabling. All this makes for a cost-effective and highly flexible installation environment.

Plus, the entire system can be centrally managed by the use of the MuxLab ProDigital Network Controller, which manages all MuxLab products on an Ethernet network. It scans the LAN for connected MuxLab products and lets users configure and control these products through a web interface.

Users can also remotely manage the entire system from any smartphone or tablet when using the MuxLab Control App and any of the various third party control systems that have partnered with MuxLab to provide these industry-leading options.

MuxLab PRODIGITAL

REMOTE MANAGEMENT

EASE OF INSTALLATION

VIDEO WALL SUPPORT

LOW LATENCY SOLUTIONS WITH 4K/60 ABILITY

MULTIVIEW

DIGITAL SIGNAGE

AV over IP. Anywhere. Everywhere.

ProDigital Network Controller

The Brain Behind the MuxLab AV over IP System

Part# 500811

When installed on a local area network (LAN), the MuxLab Network Controller will scan the LAN for connected MuxLab products allowing the user to configure and control these products through an Ethernet Web interface.

MuxLab Control

MuxLab Control is a software control application designed to manage MuxLab AV over IP devices via Android and Apple smartphones and tablets. MuxLab Control supports an intuitive easy to operate GUI that simplifies management of any size AV over IP installation, be they small residential or large commercial applications. The system allows operators to centrally manage many locations with quick and easy access to any site, supporting floor plan layouts, room layouts, and color coded indicators for connected source and display equipment for easy identification, allowing for intuitive connectivity management at the touch of a finger. Managing large AV over IP based matrices and video walls, is a breeze.

MuxLab Control has been designed to be exceptionally easy to configure and operate. The application is interoperable with the MuxLab ProDigital Network Controller (500811) to manage the entire MuxLab AV over IP product family.

Key Features

- Centralized management of MuxLab AV over IP products at the touch of a finger
- Supports an intuitive GUI for exceptionally easy connectivity management
- Supports matrix and video wall configurations
- Manage multiple sites via graphical floor plans
- Operates on Android and Apple iOS Smartphones and Tablets
- Supports graphic color coded source and display equipment
- Supports connectivity presets for often used connections
- Secure password protected system

The MuxLab AV over IP product line also works with Industry Leader Drivers

AMX Control4 CRESTRON DEMOPAD

ON CONTROLS RTI simplecontrol URC Control the Experience.

AV over IP 4K/60 Uncompressed Extender, UTP

Part# 500760-TX, 500760-RX

The AV over IP 4K/60 Uncompressed Extender, UTP allows HDMI and DisplayPort source equipment supporting up to 4K @ 60Hz resolution to be connected and extended to HDMI sink devices to create a 4K/60 Video Wall, Virtual Matrix Switch, and Virtual Splitter arrangements of user configurable size (X by Y) supporting 100's of screens. Each Transmitter (500760-TX) and Receiver (500760-RX) can be connected via Cat5e/6 cable up to 330ft (100m) from an Ethernet Switch. The Transmitter supports audio insertion and the Receiver supports audio extraction.

Key Features

- Supports HDMI and DisplayPort sources up to 4K @ 60Hz (4:4:4)
- Uncompressed video up to 4K @ 60Hz (4:2:0) and light compression for 4K @ 60Hz (4:4:4)
- Very low latency
- Supports 100's of Transmitters & Receivers depending on network bandwidth
- Extend video HDMI up to 330ft (100m) over Cat5e/6
- Supports audio insert (TX) & audio extract (RX)
- Supports RS232 and IR transmission for remote control of end devices
- Managed via Pro Digital Network Controller (500811), MuxLab Control App via smartphones and tablets, and 3rd Party control Apps

AV over IP 4K/60 Uncompressed TX / RX, Fiber

Part# 500761-TX, 500761-RX

The AV over IP 4K/60 Uncompressed Extender, Fiber allows HDMI and DisplayPort source equipment supporting up to 4K @ 60Hz resolution to be connected and extended to create a 4K/60 HDMI based Video Wall, Virtual Matrix Switch, and Virtual Splitter arrangements of user configurable size (X by Y) supporting 100's of screens, depending on network bandwidth. Each Transmitter (500761-TX) and Receiver (500761-RX) can be connected via OM3 multimode fiber cable with dual LC connectors up to 985ft (300m) from a 10Gig Ethernet Switch. The Transmitter supports 2CH audio insertion and the Receiver supports 2CH audio extraction.

Key Features

- HDMI & DisplayPort 1.2a up to 4K/60 (4:4:4)
- Uncompressed up to 4K/60 (4:2:0) (zero latency)
- Light compression at 4K/60 (4:4:4) (<1 frame latency)
- Supports virtual video wall, matrix, switcher & splitter applications
- Up to 400m distance via OM4 multimode fiber
- Supports audio insert & audio extract
- RS232 & 2-way IR for remote control of end-devices
- Supports HDR
- Managed via Pro Digital Network Controller (500811), MuxLab Control App via smartphones and tablets, and 3rd Party control Apps

HDMI over IP Uncompressed Extender, 4K/60

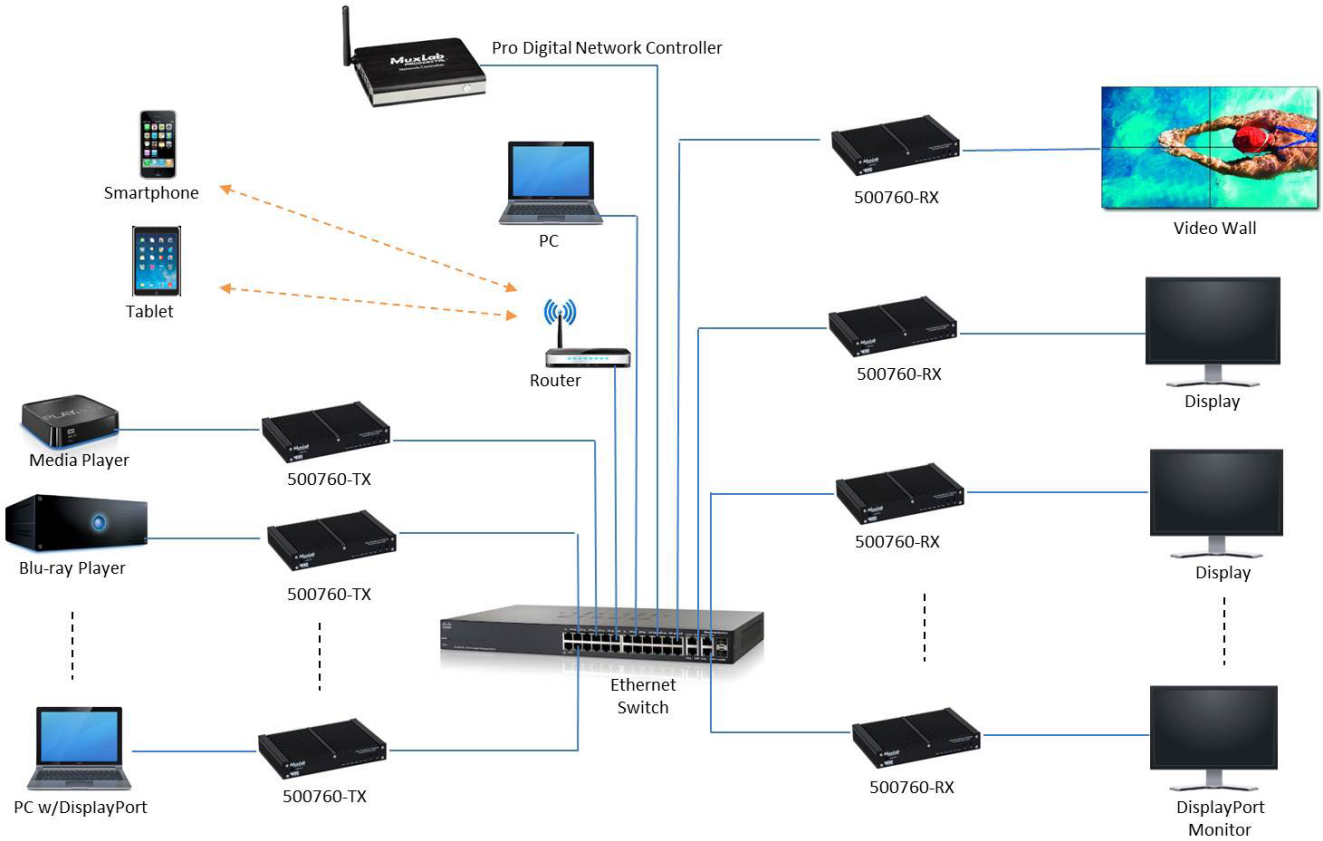
Part# 500768-TX, 500768-RX

The HDMI over IP Uncompressed Extender, 4K/60 allows HDMI source equipment supporting up to 4K (3840×2160) resolution @ 60Hz to be connected via Cat5e/6 cable up to 330ft (100m) from a 10Gig Ethernet Switch, in point-to-point, point-to-multipoint and multipoint-to-multipoint configurations. The Transmitter and Receiver, also each support a 1G Ethernet Switch port to connect additional network devices, plus a directional IR port and RS232 port for remote control of end devices.

Key Features

- Supports HDMI up to 4K/60 (4:2:0) between Transmitter and Receiver
- Uncompressed video up to 4K/60 (4:2:0) (zero latency)
- Supports point-to-point, point-to-multipoint and multipoint-to-multipoint applications
- Transmission up to 330ft (100m) over Cat5e/6
- Supports a 10Gig Ethernet port for communications and a 1Gig Switch port for additional network devices
- RS232 and directional IR transmission for remote control of end devices
- Managed via Pro Digital Network Controller (500811), MuxLab Control App via smartphones and tablets, and 3rd Party control Apps

Typical Application of the 500760



With AV over IP, integrators can expand systems on a port-by-port basis, with system size limited only by the network bandwidth. Virtual infrastructures can be created and rearranged with point-to-point, point-to-multipoint and multipoint-to-multipoint configurations. There are virtually no distance limitations, making it convenient and cost effective to connect and access AV across the home or around the world.

H.264/5

HDMI over IP H.264/H.265 PoE Extender

Part# 500762

The HDMI over IP H.264/H.265 PoE Extender Transmitter and Receiver combination allows HDMI source and display equipment to be extended locally up to 330ft (100m) at up to 4K @ 60Hz resolution via Cat5e/6 cable in point-to-point, point-to-multipoint and multipoint-to-multipoint configurations via a local Ethernet network, in a low bandwidth, flexible, expandable and cost effective manner, without the need to install dedicated cabling systems.

HDMI over IP H.264 PoE Extender Kit

Part# 500757

The HDMI over IP H.264 allows an HDMI source to be connected via any Ethernet LAN connection allowing AV broadcasts to be set up and changed without the need to install a dedicated cabling system. Uses H.264 compression algorithm for low bandwidth requirements. Point-to-Multipoint and Multipoint-to-Multipoint is possible by connecting several Transmitters and Receivers to the same network (supports 100's of Transmitters and Receivers limited only by network bandwidth).

"MuxLab is proud and honored to have been selected as the provider of AV over IP connectivity equipment responsible to extend, interconnect and switch AV source and display devices in a simple and efficient manner at HEC, a large Canadian University," *said Daniel Assaraf, President of MuxLab.* ***"Our technology is contributing to the improvement of tomorrows educational institutions today."***

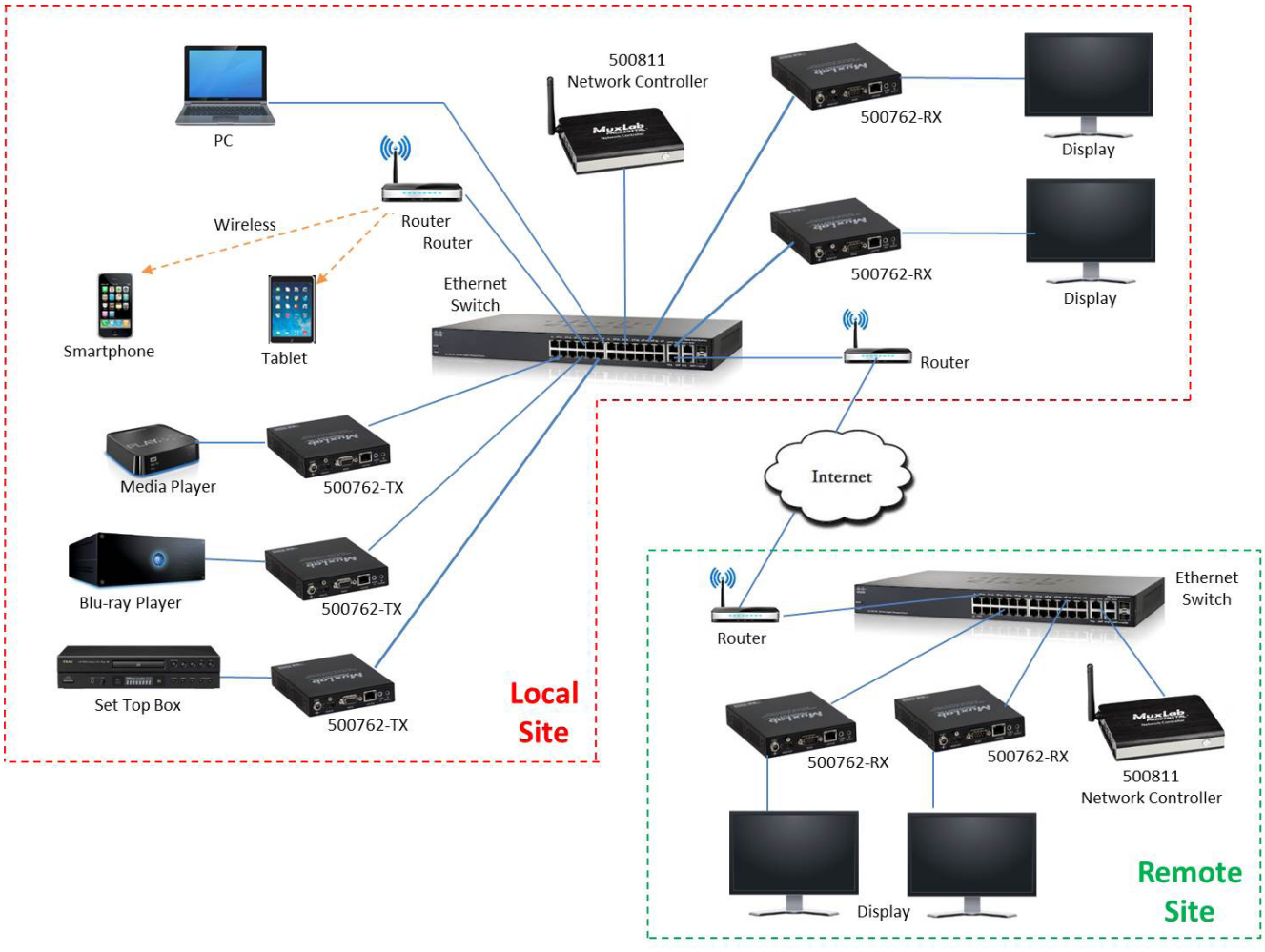
Key Features

- Video Wall array with multiple displays
- Multi view on a single display or on a video wall
- CEC support to control end devices
- Device locator for easy installation
- Receiver supports up to 4K @ 60Hz (4:4:4) video streams
- Receiver up-scales 1080p @ 60Hz video streams from Transmitter and other devices up to 4K @ 60Hz
- PoE powered, via PoE (PSE) Ethernet Switch
- H.264/265 video codec, excellent for LAN, WiFi & Internet transmission
- Managed via Pro Digital Network Controller (500811), MuxLab Control App via smart-phones and tablets, and 3rd Party control Apps

Key Features

- Supports up to 1080p resolution @ 30Hz
- Up to 330 ft (100m) over Cat5e/6 cabling
- Supports Point-to-Point, Point-to-Multipoint and Multipoint-to-Multipoint configurations
- Supports 100's of Transmitters and Receivers limited only by network bandwidth
- Supports RS232 and IR transmission for remote control of end devices
- PoE powered
- H.264 compression with less than 500ms latency
- Managed via Pro Digital Network Controller (500811), MuxLab Control App via smart-phones and tablets, and 3rd Party control Apps

Typical Application of the 500762



MuxLab's next generation HDMI over IP H.264/H.265 PoE Extender includes advanced video wall features with multi-view capability, designed to provide an enhanced and compelling visual experience for viewers. This new feature, combined with its ability to deliver 4K video at ultra-low latency, brings a new level of performance to this IP-based extension system.

Video Wall 4K over IP PoE Extender

Part# 500759

The Video Wall 4K over IP PoE Extender Kit allows HDMI equipment supporting up to 4K @ 30Hz or 1080p at 60Hz resolution to be connected and extended to create a Video Wall of user configurable size (X by Y) supporting 100's of screens. Each Transmitter (500759-TX) and Receiver (500759-RX) can be connected via Cat5e/6 cable up to 330ft (100m) from an Ethernet Switch. The Transmitters and Receivers support PoE (PD) and may be powered by a PoE (PSE) Ethernet Switch. The MuxLab Pro Digital Network Controller (500811) is available to simplify configuration and control and allows for third party smartphone and tablet management.

Key Features

- Supports HDMI 1.4 up to 4K @ 30Hz (4:4:4)
- Configure a video wall array with 100's of displays limited only by network bandwidth
- Very low latency
- Extend HDMI up to 330ft (100m) over Cat5e/6
- Supports point-to-point, point-to-multipoint and multipoint-to-multipoint applications
- Supports audio insert (TX) & audio extract (RX)
- Supports RS232 and IR transmission for remote control of end devices
- PoE Powered
- Managed via Pro Digital Network Controller (500811), MuxLab Control App via smartphones and tablets, and 3rd Party control Apps

Video Wall over IP Extender Kit with PoE

Part# 500754

The Video Wall over IP Extender Kit with PoE allows HDMI equipment to create a Video Wall of user configurable size (X by Y) to 100's of displays, limited only by network bandwidth, utilizing one receiver for each display in the array. The transmitter unit can be connected using a PoE LAN switch, with maximum distances of 330ft (100m) of Cat 5e/6 cable between equipment.

Key Features

- Supports HDMI 1.3a up to 1080p resolution @ 60Hz
- Configure a video wall array with 100's of displays limited only by network bandwidth
- HDCP compliant
- Very low latency
- Extend HDMI up to 330ft (100m) over Cat5e/6
- Supports RS232 and IR transmission for remote control of end devices
- PoE powered
- Managed via Pro Digital Network Controller (500811), MuxLab Control App via smartphones and tablets, and 3rd Party control Apps

HDMI/VGA over IP PoE Wall Plate Transmitter, UHD-4K

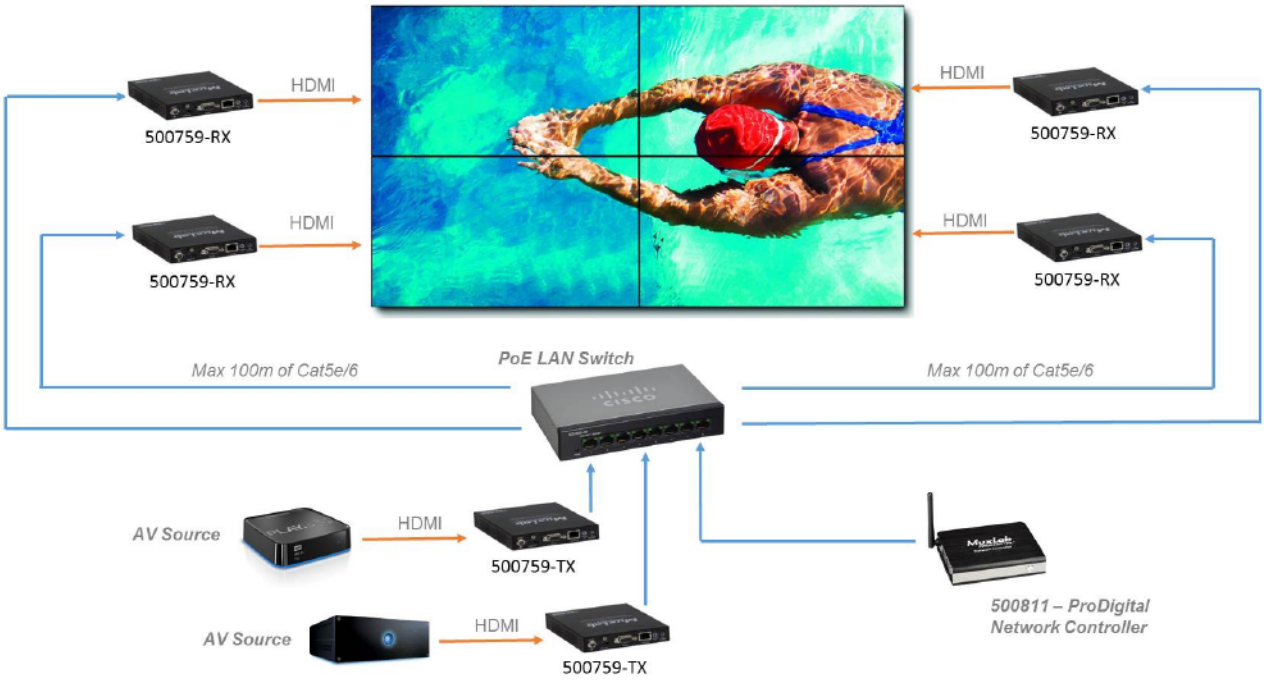
Part# 500773-TX

The HDMI/VGA over IP PoE Wall Plate Transmitter, UHD-4K is a two-gang wall plate transmitter which provides a convenient interface for HDMI and VGA input sources. It allows HDMI and VGA equipment to be extended up to 330ft (100m) from an Ethernet Switch via one (1) Cat5e/6 cable. The unit supports one (1) HDMI-In, one (1) VGA-In and one 2CH Audio-In, and supports resolutions up to 4K (3840x2160) @ 30Hz for HDMI and 1920x1200 @ 60Hz for VGA. The input selection between HDMI and VGA inputs may be locally or remotely selected, and supports auto and manual switching modes with LED indicators.

Key Features

- Selectable HDMI and VGA inputs
- HDMI 2.0b up to 4K @ 30Hz (4:4:4) and 4K @ 60Hz (4:2:0)
- VGA 1920x1200 @ 60Hz, with 2CH Audio-In
- HDCP 2.2 compliant
- Remotely managed over IP & locally managed via push button
- Auto and manual switching modes, with LED indicators
- Compatible with 500758-RX and 500759-RX over IP Receivers
- PoE powered
- Managed via Pro Digital Network Controller (500811), MuxLab Control Smartphone & Tablet App & 3rd Party Control Apps

Typical Application of the 500759



MuxLab's video wall over IP system is being used at high profile restaurants in Canada and around the world including a giant 18 TV Video Wall display matrix, consisting of 6 TVs wide by 3 TVs high. Visit www.muxlab.com for our success stories.

Managed via MUXLAB'S CMS Software

HDMI 2.0 Digital Signage/Media Player

Part# 500769

The HDMI 2.0 Digital Signage Media Player is capable of receiving multiple H.264/H.265 AV content simultaneously up to 4K/60 (4:4:4) from a local network, the Internet, internal memory or external USB memory devices, and supports multiview capability and scheduling to automatically deliver this customized windowed AV content based on a weekly schedule. Multiple video, audio and image file formats are supported. It is able to up-scale 1080p@60Hz video to 4K@60Hz (4:4:4) and delivers content to a display or to another transmitter to support virtual matrix and video wall configurations.

The exceptionally low bandwidth requirements of this device allows it to accept streaming audio/video content over a local network, over WiFi, and over the Internet for distributed installations spread-out throughout the globe.

The unit may be extended up to 100m from the Ethernet switch over CAT5/6 cable, and supports PoE (PD) and may be powered by a PoE (PSE) Ethernet Switch.

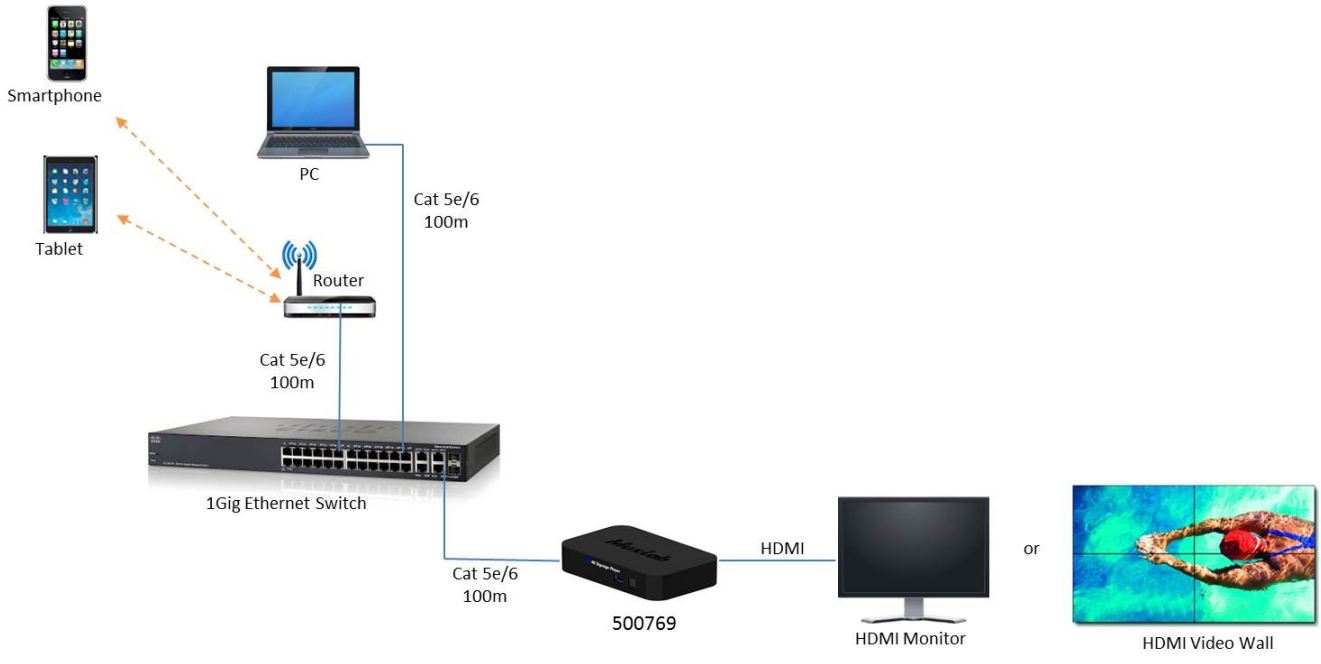
Applications

- Digital signage / Media player
- Audio/Video Streaming over LAN, Wifi and Internet
- Commercial and residential AV systems
- Corporate lobbies, malls and boutiques, airports, subway/train/bus stations, etc.

Key Features

- Digital Signage Media player supporting playlists and weekly scheduler of multi-format video, image and audio files
- Supports multiview layouts.
- Supports up to 4K @ 60Hz (4:4:4) video streams
- Up-scales 1080p @ 60Hz video streams up to 4K @ 60Hz
- Extends local audio/video transmission up to 330ft (100m) over Cat5e/6
- H.264/265 video codec, excellent for LAN, WiFi & Internet transmission
- Supports Multicast, RTSP, HLS, FLV and TS
- USB 3.0 port for playback of local content from external USB drive
- Extracts digital audio via SPDIF (TosLink)
- Extracts analog audio via 2CH 3.5 mm jack
- RS232 and Directional IR for remote control of end-devices
- PoE powered, via PoE (PSE) Ethernet Switch

Typical Application of the 500769



MuxLab's Digital Signage Media Player is capable of receiving local and streaming content from multiple sources with an easy method of remote management to run digital signage networks more effectively.

HDMI 4K over IP PoE Extender Kit

Part# 500758

The HDMI 4K over IP PoE Extender Kit allows HDMI equipment to be extended up to 330ft (100m) up to 4K (3840x2160) resolution @ 30Hz via one (1) Cat5e/6 cable in a point-to-point configuration. Point-to-multipoint and multi-point-to-multipoint configurations are also possible by connecting several units to the same local Ethernet network, and the device supports PoE (PD) if used with a PoE (PSE) Ethernet Switch.

Key Features

- Supports HDMI 1.4 up to 4K @ 30Hz (4:4:4)
- Supports 100's of Transmitters & Receivers depending on network bandwidth
- Very low latency
- Extend HDMI up to 330ft (100m) over Cat5e/6
- Supports point-to-point, point-to-multipoint and multipoint-to-multipoint applications
- Supports audio insert (TX) & audio extract (RX)
- Supports RS232 and IR transmission for remote control of end devices
- Managed via Pro Digital Network Controller (500811), MuxLab Control App via smart-phones and tablets, and 3rd Party control Apps

HDMI / RS232 over IP Extender Kit with PoE

Part# 500753

The HDMI / RS232 over IP Extender Kit with PoE allows HDMI equipment to be connected up to 330 ft (100m) @ 1080p via one (1) Cat5e/6 unshielded twisted pair cable in a point-to-point configuration. Point-to-multipoint and multipoint-to-multipoint is possible by connecting several transmitters and receivers to the same Ethernet network. The Transmitter (500753-TX) and Receiver (500753-RX) also supports PoE if used with a PoE Ethernet Switch. The kit comes with one (1) Transmitter and one (1) Receiver.

Key Features

- Supports HDMI 1.3a up to 1080p @ 60Hz
- HDCP compliant
- Very low latency
- Supports up to 1080p resolution @ 60Hz
- Supports RS232 and IR transmission for remote control of end devices
- Extend HDMI up to 330 ft (100m) over Cat5e/6
- Supports 100's of Transmitters and Receivers limited only by network bandwidth
- Supports PoE
- Managed via Pro Digital Network Controller (500811), MuxLab Control App via smart-phones and tablets, and 3rd Party control Apps

"We see this as a validation of the superior flexibility and cost effectiveness of our new AV over IP solutions versus more traditional approaches", *said Daniel Assaraf, President of MuxLab.* ***"Our technology makes AV installations requiring switching matrices, Video Walls, and digital signage applications more affordable, highly flexible and easier to manage."***

MuxLab offers a complete family of solutions that extend AV and control signals over an IP network to create a highly reliable, cost-effective infrastructure using standard LAN connectivity. This new ability to distribute AV signals across varying cabling infrastructures gives both flexibility and choice of implementing a custom, tailored solution.

Audio / RS232 over IP PoE Transceiver

Part# 500755

The AUDIO / RS232 over IP PoE Transceiver allows 2CH audio signals to be extended up to 330ft (100m) via Cat5e/6 cable in a point-to-point configuration. Point-to-multipoint and multipoint-to-multipoint is supported by connecting several Transceivers to the same local Ethernet network. The device supports PoE (PD) if used with a PoE (PSE) Ethernet Switch, and both RS232 and IR transmission for remote control of end devices. The Transceiver can be configured as a Transmitter or Receiver.

Key Features

- Extend 2CH audio signals up to 330ft (100m) over Cat5e/6 cable
- Supports point-to-point, point-to-multipoint and multipoint-to-multipoint applications
- Supports 100's of Transceivers depending on network bandwidth
- Supports RS232 and IR transmission for remote control of end devices
- 2CH Analog Audio In/Out & Digital Audio Out
- PoE powered
- Managed via Pro Digital Network Controller (500811), MuxLab Control App via smart-phones and tablets, and 3rd Party control Apps

Audio/AMP over IP Extender Kit, with Mic & AMP 50W/CH

Part# 500755-AMP

The Audio / AMP over IP Extender Kit, with Mic & AMP 50W/CH includes a Transmitter (500755-AMP-TX) and a Receiver (500755-AMP-RX) allowing a 2CH analog audio and Mic signal to be extended over an IP network, and up to 330ft (100m) from an Ethernet Switch via Cat5e/6 cable in a point-to-point configuration. Point-to-multipoint and multipoint-to-multipoint is supported by connecting several Transmitters and Receivers to the same local Ethernet network. Depending on the application one or more Transmitters (500755-AMP-TX) can communicate with (or multicast to) multiple Receivers (500755-AMP-RX).

Key Features

- Supports dual 2CH audio and a Mic input (TX)
- Extend 2CH Audio or Mic signals up to 330ft (100m) over Cat5e/6 cable
- Supports a 2x50W Amplifier, and bridge-mode for 1x100W (RX)
- Supports Digital Audio Out (RX)
- Control input selection, volume, bass and treble locally or remotely (TX)
- Compatible with 500755-70V
- Supports RS232 and IR transmission for remote control of end devices
- Transmitter may be PoE powered
- Managed via Pro Digital Network Controller (500811), MuxLab Control App via smart-phones and tablets, and 3rd Party control Apps

70V Transformer for the 500755-AMP

Part# 500755-70V

The MuxLab 70V Audio Converter may be paired with the 500755-AMP-RX and 500217 amplifiers to support 70V speaker systems at the amplifier output. The 70V Audio Converter is a passive device and can be easily mounted anywhere near the amplifier that it is to be connected with. It adapts a standard 4 ohm amplifier output that has been configured in bridge mode (mono) to a 70V speaker system. 70V speaker systems allow multiple speakers to be chained together over much longer distances than traditional 4 ohm speakers can accommodate.

"One key benefit of MuxLab's AV over IP solutions is that integrators can easily up- or down-scale their installation for complete customization, limited only by the their network's bandwidth..."

DANTE/Quad Channel Audio PoE Gateway

Part# 500765

The Dante/Quad Channel Audio PoE Gateway permits non-Dante compatible analog audio equipment to interface with Dante compatible professional audio equipment.

The unit allows Dual two-channel or Quad single-channel full range (20Hz to 20KHz) balanced analog audio signals to be transmitted over the network to Dante compatible professional audio equipment. Dual two-channel or Quad single-channel balanced analog audio signals may also be received from Dante compatible equipment in the same manner. The unit may be connected via Cat5e/6 cable up to 330ft (100m) from an Ethernet Switch.

The Dante/Quad Channel Audio PoE Gateway includes four single-channel balanced analog audio-in and four single-channel balanced analog audio-out ports, via phoenix connectors. The Quad single-channel balanced analog audio-in ports may be connected to line level balanced analog audio signals or to line level balanced microphones. The Quad single-channel balanced analog audio-out ports may be connected to balanced analog audio amplifiers supporting line level inputs, such as the MuxLab 500217 Audio Zone Amplifier 100W, or to two pairs of powered speakers for direct sound output.

The device supports PoE (PD) and may be powered by a PoE (PSE) Ethernet Switch.

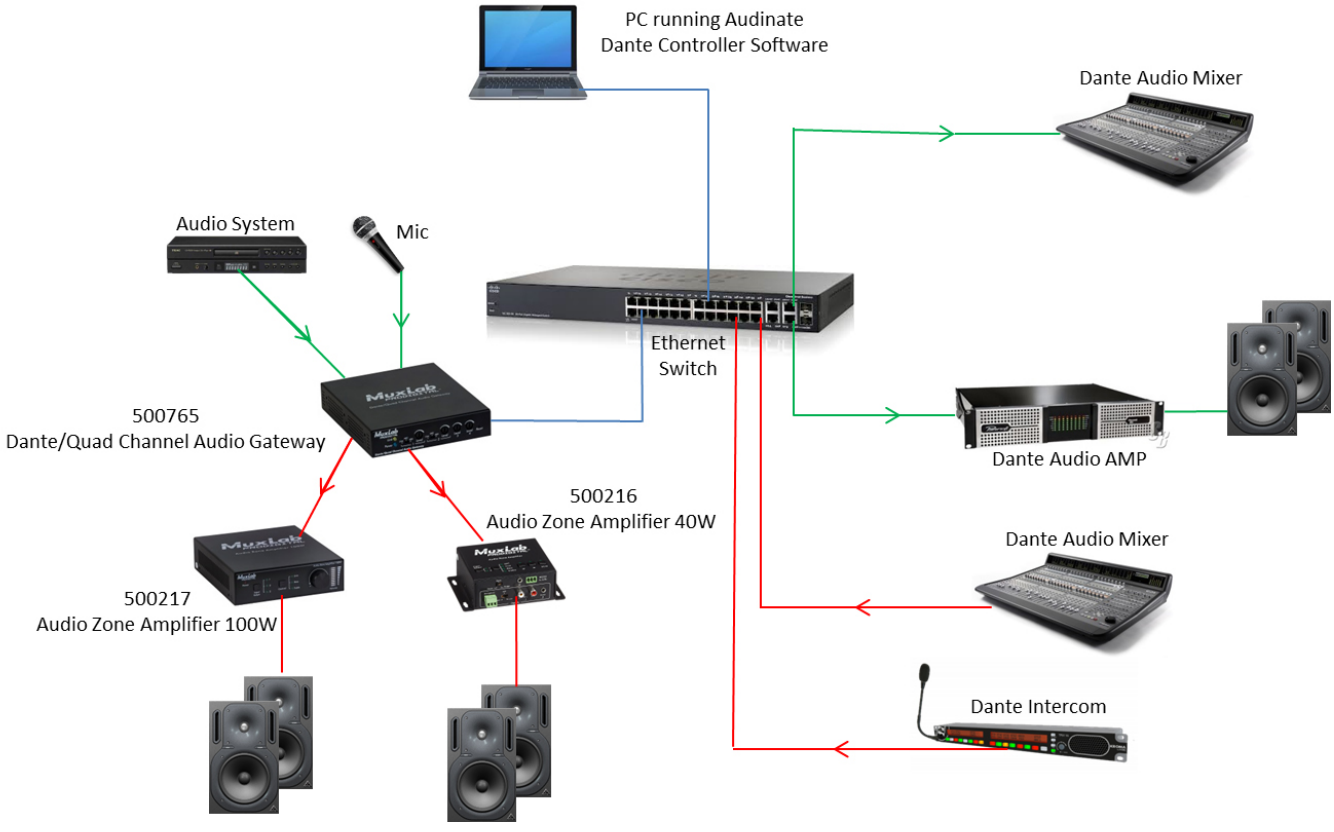
Key Features

- Interface analog audio equipment to Dante audio equipment
- Supports Quad single-channel full range balanced analog audio from 20Hz to 20KHz
- Transmission up to 330ft (100m) over Cat5e/6
- Supports Quad single-channel balanced analog audio-in and Quad single-channel balanced analog audio-out from Dante audio equipment.
- Balanced audio ports may be interfaced to unbalanced audio ports when only 2 of 3 pins are used per channel
- IP managed for remote control
- PoE powered
- Managed by the free Audinate Dante Controller software

Front view

Rear view

Typical Application of the 500765



MuxLab helps AV integrators create unique, audio-based infrastructures, empowered by IP connectivity. With the Dante/Quad Channel Audio PoE Gateway, analog audio sources can be sent to Dante-compatible professional audio equipment using an IP network as a bridge."

KVM

HDMI / USB2.0 KVM over IP PoE Extender

Part# 500770

The KVM HDMI over IP PoE Extender allows HDMI & USB equipment to be connected over an Ethernet LAN, supporting up to 1080p resolution @ 60Hz. These PoE devices may be powered from a PoE Ethernet Switch. Each Transmitter (500770-TX) terminates to a server/workstation, and the Receiver (500770-RX) terminates to an HDMI display and up to 4 USB devices such as a keyboard, mouse, printer, drawing pad, storage device, etc. The Receiver can be switched via hotkey sequences to any Transmitter on the network to manage numerous servers/workstations, in a distributed KVM application.

Key Features

- One operator can manage multiple servers/workstations
- Supports HDMI up to 1080p @ 60Hz, up to 330ft (100m)
- Receiver side includes a 4-port USB hub, for KVM applications
- Supports 100's of Transmitters & Receivers depending on network bandwidth
- PoE powered
- Supports multiple point-to-point, and point-to-multipoint applications
- Supports audio insert & mic-out (TX), and audio extract & mic-in (RX)
- Managed via Pro Digital Network Controller (500811), MuxLab Control App via smart-phones and tablets, and 3rd Party control Apps

DVI / USB 2.0 KVM over IP PoE Extender

Part# 500771

The KVM DVI over IP PoE Extender allows DVI & USB equipment to be connected over an Ethernet LAN, supporting up to 1920x1200 and 1080p resolution @ 60Hz. These PoE devices may be powered from a PoE Ethernet Switch. Each Transmitter (500770-TX) terminates to a server/workstation, and the Receiver (500770-RX) terminates to a DVI display and up to 4 USB devices such as a keyboard, mouse, printer, drawing pad, storage device, etc. The Receiver can be switched via hotkey sequences to any Transmitter on the network to manage numerous servers/workstations, in a distributed KVM application.

Key Features

- One operator can manage multiple servers/workstations
- Supports DVI up to 1920x1200 and 1080p @ 60Hz, up to 330ft (100m)
- Receiver side includes a 4-port USB hub, for KVM applications
- Supports 100's of Transmitters & Receivers depending on network bandwidth
- PoE powered
- Supports multiple point-to-point, and point-to-multipoint applications
- Supports audio insert & mic-out (TX), and audio extract & mic-in (RX)
- Managed via Pro Digital Network Controller (500811), MuxLab Control App via smart-phones and tablets, and 3rd Party control Apps

8 Button IP PoE Control Panel

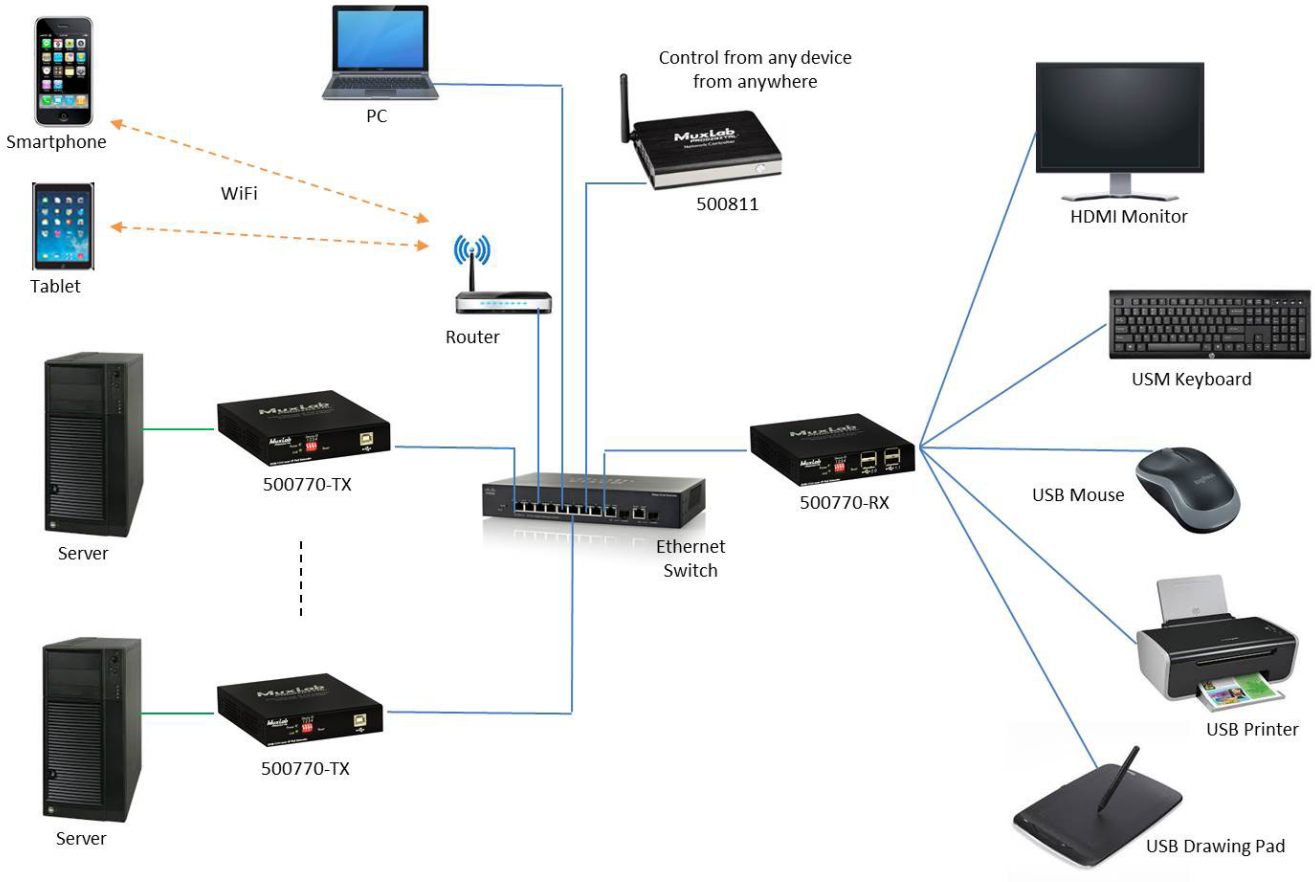
Part# 500816-IP

The 8 Button IP PoE Control Panel (Model: 500816-IP) is a versatile wall or table-top mounted control panel for MuxLab AV over IP devices, select Matrix Switches, and third party products. Each button is programmable. The unit supports one (1) Ethernet port (for TCP/IP and Telnet), two (2) RS-232 ports, one (1) Infrared port, and two (2) Relay ports, for control of end devices. The 8 Button IP PoE Control Panel can control MuxLab products including MuxLab's AV over IP system via the 500811 ProDigital Network Controller, MuxLab's TCP/IP, Telnet and RS-232 managed Matrix Switches, as well as third party devices such as projectors and projector screens, displays, AV sources and other similar devices.

Key Features

- 8 button control panel
- Buttons can be individually programmed
- Control end devices via TCP/IP, Telnet, RS232, IR & Relay
- Programmable via Web Interface
- Buttons are backlit and support customizable labels
- May be wall or table top mounted
- Supports firmware updates via Web Interface
- Programmable via Web Interface and 500811 Muxlab Pro Digital Network Controller.

Typical Application of the 500770



With the HDMI/USB2.0 KVM over IP PoE Extender, one operator can manage multiple servers or workstations, making the management of multi-server systems supporting HDMI displays in IT departments within corporations, educational institutions and data centers seamless.

"MuxLab's AV over IP solutions have proven to be exceedingly reliable; they're not only easier to install but they're also ultimately more cost-effective."

— Evolution Presentation Technologies' Account Manager, Chris Meaney.

3G-SDI / RS232 over IP Extender Kit with PoE

Part# 500756

The 3G-SDI / RS232 over IP Extender Kit with PoE allows SDI equipment to be connected up to 330ft (100m) @ 1080p through an IP network. Point-to-Multipoint, and Multipoint-to-Multi-point is possible by connecting several transmitters and receivers to the same network. (supports 100's of Transmitters and Receivers limited only by network bandwidth).

Key Features

- Supports SDI video up to 1080p resolution @ 60Hz
- Very low latency
- Supports RS232 and IR transmission for remote control of end devices
- Supports point-to-point, point-to-multipoint and multipoint-to-multipoint applications
- Extend 3G-SDI up to 330ft (100m) over an IP Network
- PoE powered
- Supports 100's of Transmitters and Receivers limited only by network bandwidth
- Managed via Pro Digital Network Controller (500811), MuxLab Control App via smart-phones and tablets, and 3rd Party control Apps

3G-SDI/ST2110 over IP Uncompressed Extender

Part# 500767

The 3G-SDI/ST2110 over IP Uncompressed Extender allows HD-SDI and 3G-SDI equipment to be extended up to 100ft (30m) via UTP Cat 5e/6 cable or up to 1300ft (400m) via duplex multimode OM4 fiber with LC connectors, at up to 1080p resolution @ 60Hz uncompressed, in a point-to-point configuration. Point-to-multipoint and multipoint-to-multipoint configurations are also possible by connecting several units to a 10Gig Ethernet network.

Key Features

- Supports Uncompressed SDI video up to 1080p @ 60Hz and SMPTE ST-2110
- Extend HD/3G-SDI over an IP network at up to 100ft (30m) over Cat5e/6, or 1300ft (400m) over OM4 fiber
- Supports 100's of Transmitters & Receivers depending on network bandwidth
- Supports point-to-point, point-to-multipoint and multipoint-to-multipoint applications
- Supports a 10Gig Ethernet port for communications and a 1Gig Switch port with PoE for additional network devices
- Supports RS232 for remote control of end devices
- Manage with third party control software platforms supporting the NMOS API

HDMI 2.0/ST2110 over IP Uncompressed Extender

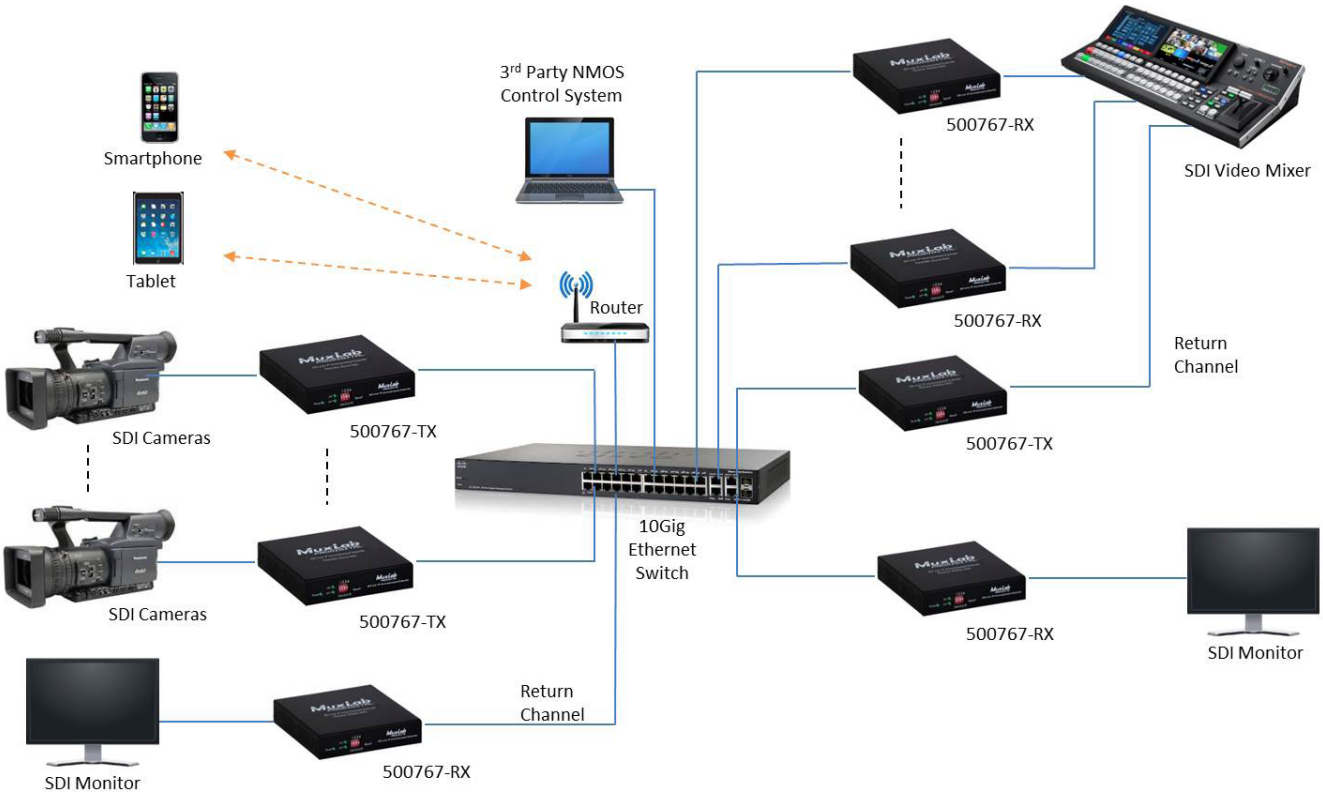
Part# 500774

The HDMI 2.0/ST2110 over IP Uncompressed Extender allows lower cost HDMI 2.0 equipment to utilized in a broadcast environment and extended up to 1300ft (400m) via duplex multimode OM4 fiber with LC connectors, at up to 4K resolution @ 60Hz uncompressed, in a point-to-point configuration. Point-to-multipoint and multipoint-to-multipoint configurations are also possible by connecting several units to a 10G Ethernet network. The unit provides a 1G Ethernet Switch port to connect additional network devices, and an RS232 port for remote control of end devices.

Key Features

- Supports Uncompressed HDMI video up to 4K @ 60Hz and SMPTE ST-2110
- Extend HDMI over an IP network at up to 1300ft (400m) over duplex OM4 fiber
- Supports 100's of Transmitters & Receivers depending on network bandwidth
- Supports point-to-point, point-to-multipoint and multipoint-to-multipoint applications
- Supports two 10G Ethernet ports for communications and a 1G Switch port for additional network devices
- Supports audio insert (TX) & audio extract (RX)
- Supports RS232 for remote control of end devices
- Manage with third party control software platforms supporting the NMOS API

Typical Application of the 500767



Using a 10Gig Ethernet network, MuxLab sends HD-SDI, 3G-SDI and 6G-SDI in point-to-multipoint and multipoint-to-multipoint configurations with support for SMPTE ST-2110 and the NMOS API for third party management.

Dealer Stamp

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