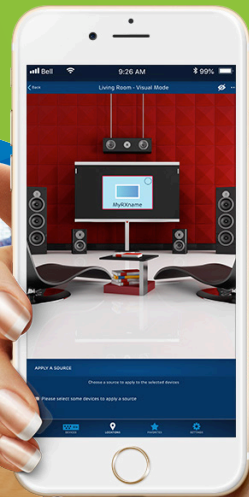


MuxLab

PRODIGITAL™



Commercial AV Solutions



02 STATE OF THE ART PROFESSIONAL AV.

Professional AV

Deliver flawless content in any environment, from sports bars and retail stores to airports, classrooms and conference rooms.

Absolute Precision. When it Matters Most.

MuxLab's vast selection of IP-based solutions have already been implemented in countless installations around the world. We bring you the well-vetted and most advanced technologies available in the digital domain. Select from IP-based extenders, splitters, switchers, converters, control systems and more, all designed to support any professional environment. We give you the confidence you need to design and deliver exemplary AV installations of any shape and size.

The Power of IP

With more than 30 years of experience in influencing and expanding the possibilities for impeccable AV, our professional solutions offer everything you need to create stunning AV systems.



Commercial AV Solutions

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IMAGE: La Cage Aux Sports, Montreal

SOLUTIONS	Page No. (TBA at the end)
AV in the Classroom	4 & 5
Solutions for the Classroom	6 & 7
AV in the University	8 & 9
Solutions for Universities	10
AV in Action at Mount Royal University	11
AV in the Conference Room	12 & 13
AV in a World Class Sports Bar	14 & 15
Solutions for Sports Bars	16
AV in Action at Stars 'N' Bars	17
Digital Signage in Retail	18 & 19
Solutions for Retail	20
MuxControl for Smart Devices	21
AV in Airports	22 & 23
Solutions for Airports	24
DigiSign Content Management System	25
AV in Security Centers	26-27
KVM for Control Rooms	28-29
AV in Action at a National Railway Centre	30
ProAV Product Guide	31



**REMOTE
MANAGEMENT**



**EASE OF
INSTALLATION**



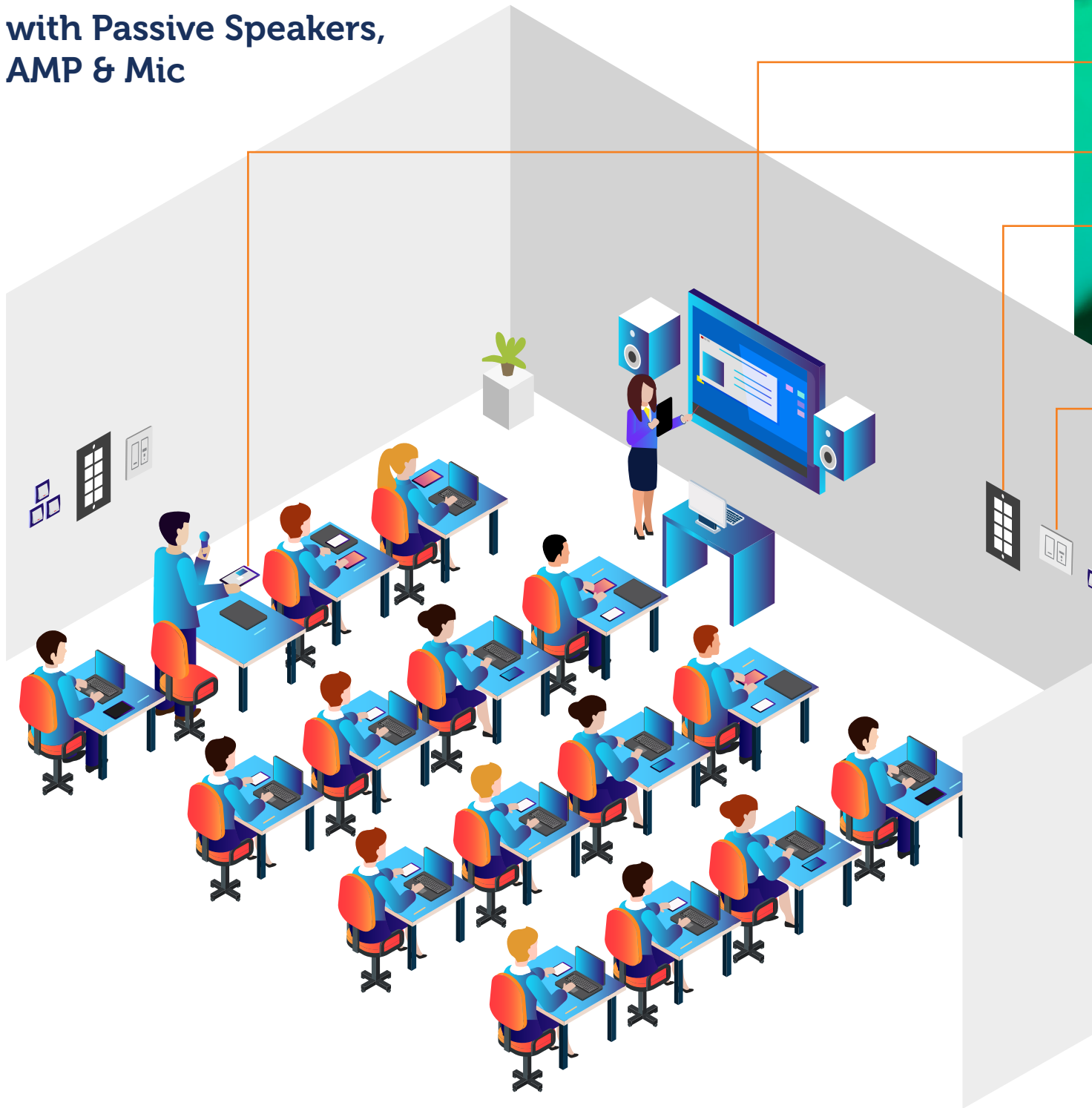
**VIDEO WALL
SUPPORT**



**LOW LATENCY SOLUTIONS
WITH 4K/60 ABILITY**

AV in the Classroom

**K-6 and K-12 installation
with Passive Speakers,
AMP & Mic**





Product used in this application:

KVM HDMI over IP PoE
500770-RX

Allows HDMI & USB equipment to be connected up to 330ft (100m) over an Ethernet LAN.

8 Button IP PoE Control Panel
500816-IP

Versatile wall mounted control panel with programmable buttons.

HDMI/VGA/USB over IP PoE Wall Plate Transmitter
500777-TX

Delivers 4K HDMI, VGA and USB to a local IP network.

ProDigital Network Controller
500811

Allows users to control MuxLab products via a web interface

MuxControl App

Intuitively designed app gives users complete control of their AV systems.

Solutions for Classrooms



AUDIO / RS232 over IP PoE Transceiver

Part# 500755

Sends 2CH audio and RS232 up to 330ft (100m) via Cat5e/6 cable in a point-to-point configuration. Point-to-multipoint and multipoint-to-multipoint extension is supported by connecting to a local Ethernet network.



Audio / AMP over IP Ext., w/Mic & AMP 50W/CH

Part# 500755-AMP

This solution extends one of two 2CH analog audio and Mic signals over an IP network in point-to-multipoint and multipoint-to-multipoint distributions. Equipment connects up to 330ft (100m) from an Ethernet Switch via Cat5e/6 cable.



KVM HDMI OVER IP PoE

Part# 500770-RX

The USB KVM Extender over IP PoE allows HDMI & USB equipment to be connected up to 330ft (100m) over an Ethernet LAN, supporting 1920x1200 and 1080p resolution @ 60Hz via Cat5e/6 cable in multiple point-to-point and point-to-multipoint configurations.



HDMI over IP PoE Extender

Part# 500754

Extends HDMI and RS232 in point-to-multipoint and multipoint-to-multipoint configurations by connecting to an Ethernet network. It connects from up to 330ft (100m) via one Cat5e/6 unshielded twisted pair cable in a point-to-point configuration and supports video walls.



HDMI/VGA/USB over IP PoE Wall Plate Trans., UHD-4K

Part# 500777-TX

Extends HDMI, VGA and USB in point-to-multipoint and multipoint-to-multipoint configurations by connecting to an Ethernet network. Equipment connects up to 330ft (100m) via one Cat5e/6 unshielded twisted pair cable in a point-to-point configuration.



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

Part# 500773-TX

Extends HDMI and VGA in point-to-multipoint and multipoint-to-multipoint configurations by connecting to an Ethernet network. Equipment connects up to 330ft (100m) via one Cat5e/6 unshielded twisted pair cable in a point-to-point configuration.



8 Button IP PoE Control Panel

Part# 500816-IP

Each button is programmable, and this control panel provides one Ethernet port (for TCP/IP and Telnet), two RS-232 ports, one Infrared port and two Relay ports for control of end devices.



ProDigital Network Controller

Part# 500811

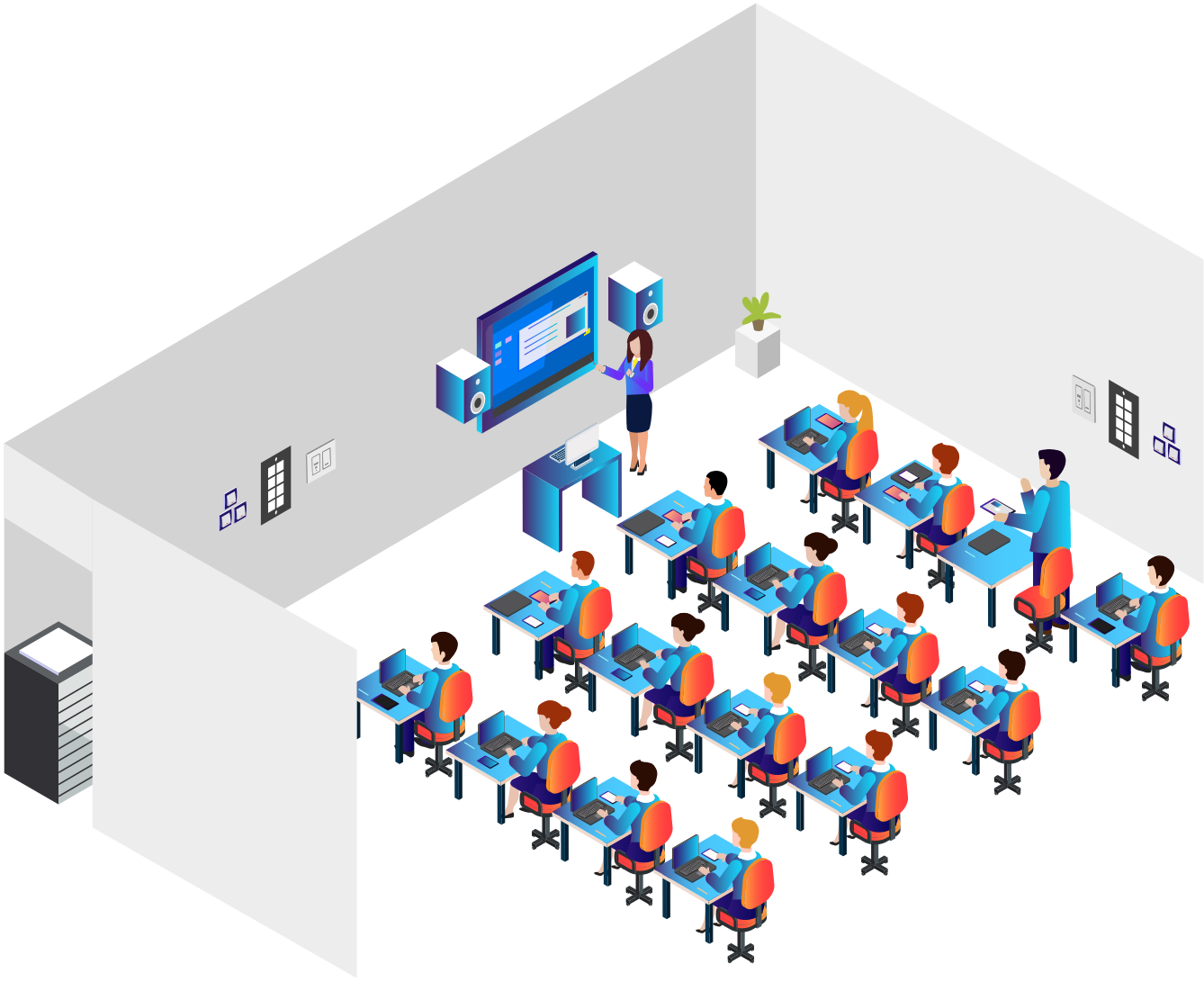
Linux-based PC that allows users to control hub-installed MuxLab products via an Ethernet Web interface. It will scan the LAN for connected MuxLab products allowing the user to configure and control these devices. In addition the unit interfaces with the MuxControl App.



MuxControl App Mux_{IP}Control

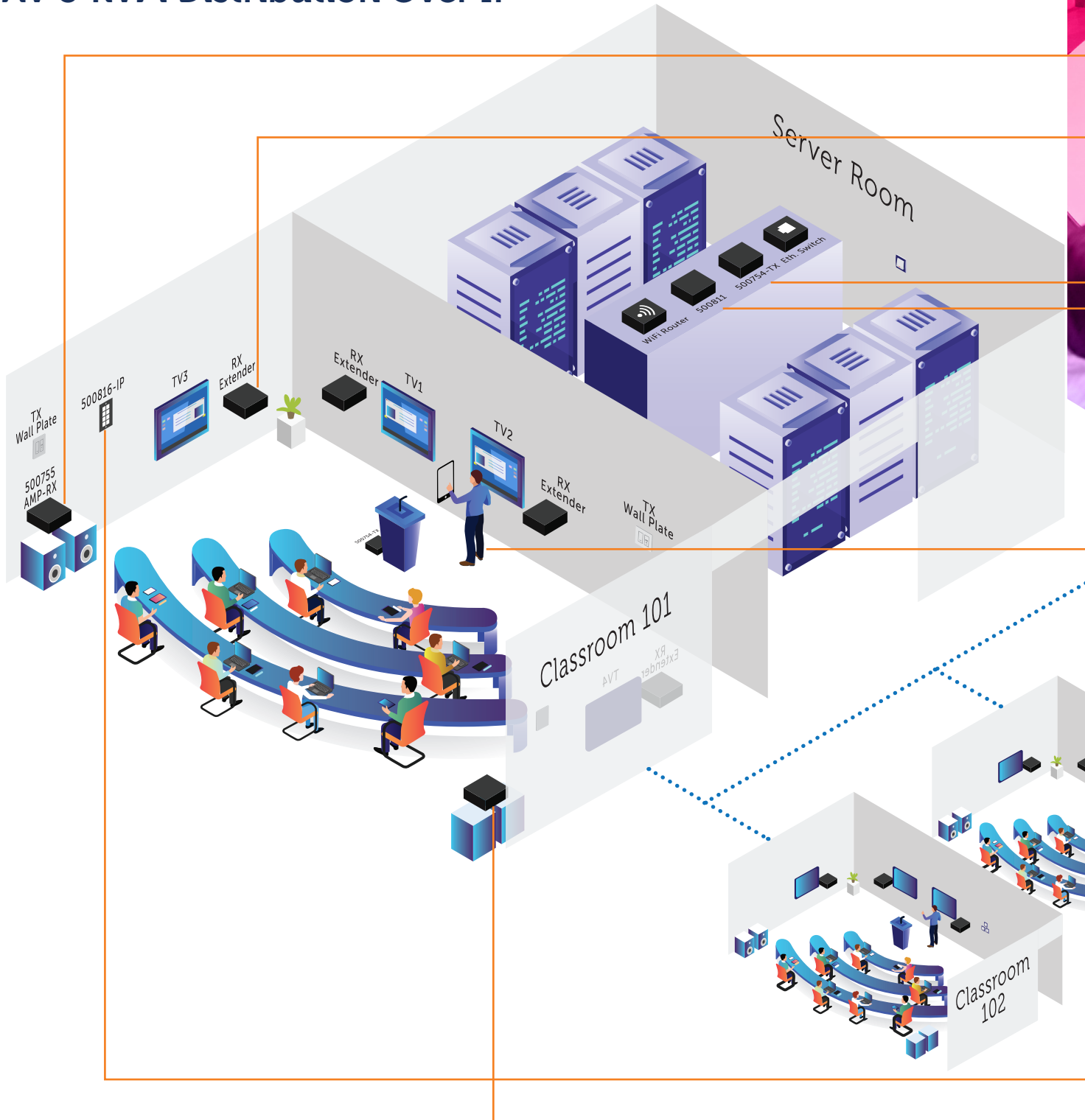
Intuitively designed system gives users complete control of their AV systems based on IP-connectivity from any iOS or Android smart phone or tablet.

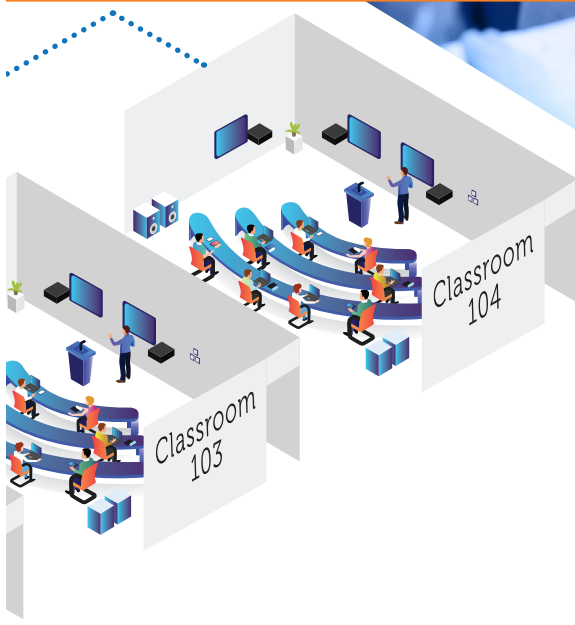
K-6 and K-12 solution with optional Active Speakers and no Mic



AV in the University

AV & KVM Distribution Over IP





Product used in this application:

Audio/AMP over IP with Mic & AMP 50W/CH

500755-AMP

Multicast to one or more receivers over an IP network. Use in long hallways and large classrooms to daisy-chain multiple speakers

HDMI over IP PoE Extender

500754-RX

Supports single displays or creates video wall supporting hundreds of displays via an IP network.

HDMI over IP PoE Extender

500754-TX

Transmits HDMI via a local Ethernet network.

ProDigital Network Controller

500811

Allows users to control MuxLab products via a web interface

8 Button IP PoE Control Panel

500816-IP

Versatile wall mounted control panel with programmable buttons.

MuxControl App

Intuitively designed app gives users complete control of their AV systems.

70V Audio Converter

500755-70V

Adapts 4 ohm amp output to 70V speakers. Use in long hallways and large classrooms to daisy-chain multiple speakers.

Solutions for the University



AUDIO / RS232 over IP PoE Transceiver

Part# 500755

Sends 2CH audio and RS232 up to 330ft (100m) via Cat5e/6 cable in a point-to-point configuration. Point-to-multipoint and multipoint-to-multipoint extension is supported by connecting to a local Ethernet network.



Audio / AMP over IP Ext., w/Mic & AMP 50W/CH

Part# 500755-AMP

This solution extends one of two 2CH analog audio and Mic signals over an IP network in point-to-multipoint and multipoint-to-multipoint distributions. Equipment connects up to 330ft (100m) from an Ethernet Switch via Cat5e/6 cable.



70V Audio Converter

Part# 500755-70V

This passive device adapts a standard 4 ohm amplifier output that has been configured in bridge mode (mono) to a 70V speaker system. It pairs with the 500755-AMP-RX and 500217 amplifiers to support 70V speaker systems at the amplifier output.



HDMI over IP PoE Extender

Part# 500754

Extends HDMI and RS232 in point-to-multipoint and multipoint-to-multipoint configurations by connecting to an Ethernet network. It connects from up to 330ft (100m) via one Cat5e/6 unshielded twisted pair cable in a point-to-point configuration and supports video walls.



8 Button IP PoE Control Panel

Part# 500816-IP

Each button is programmable, and this control panel provides one Ethernet port (for TCP/IP and Telnet), two RS-232 ports, one Infrared port and two Relay ports for control of end devices.



ProDigital Network Controller

Part# 500811

Linux-based PC that allows users to control hub-installed MuxLab products via an Ethernet Web interface. It will scan the LAN for connected MuxLab products allowing the user to configure and control these devices. In addition the unit interfaces with the MuxControl App.



MuxControl App MuxControl

Intuitively designed system gives users complete control of their AV systems based on IP-connectivity from any iOS or Android smart phone or tablet.

AV and IT Work Seamlessly to Elevate the Student Experience at Mount Royal University with MuxLab's HDMI over IP Extenders

Calgary-based Mount Royal University boasts a rich history dating back more than 100 years. The campus's intimate classes provides the unique opportunity to receive a more personalized, intellectually engaging learning experience. Key to this is the newly unveiled Riddell Library and Learning Centre. As the intellectual heart of the campus, it houses several educational and teaching areas including classrooms designed for active learning experiences.

"Several student rooms can be combined or used separately in the new facility, and the University wanted a sustainable method of moving AV around the main room or each individual room to facilitate teaching," explained Paul Alegado, a Consultant with Engineering Harmonics Inc. "I was already familiar with and had worked with MuxLab's AV over IP solutions. We were able to confidently recommend the AV over IP portion of the project knowing the quality of solutions available."



"The entire system is just seamless, and we used MuxLab's ProDigital Network Controller (500811) for the system configuration so that it's really simple to operate..."

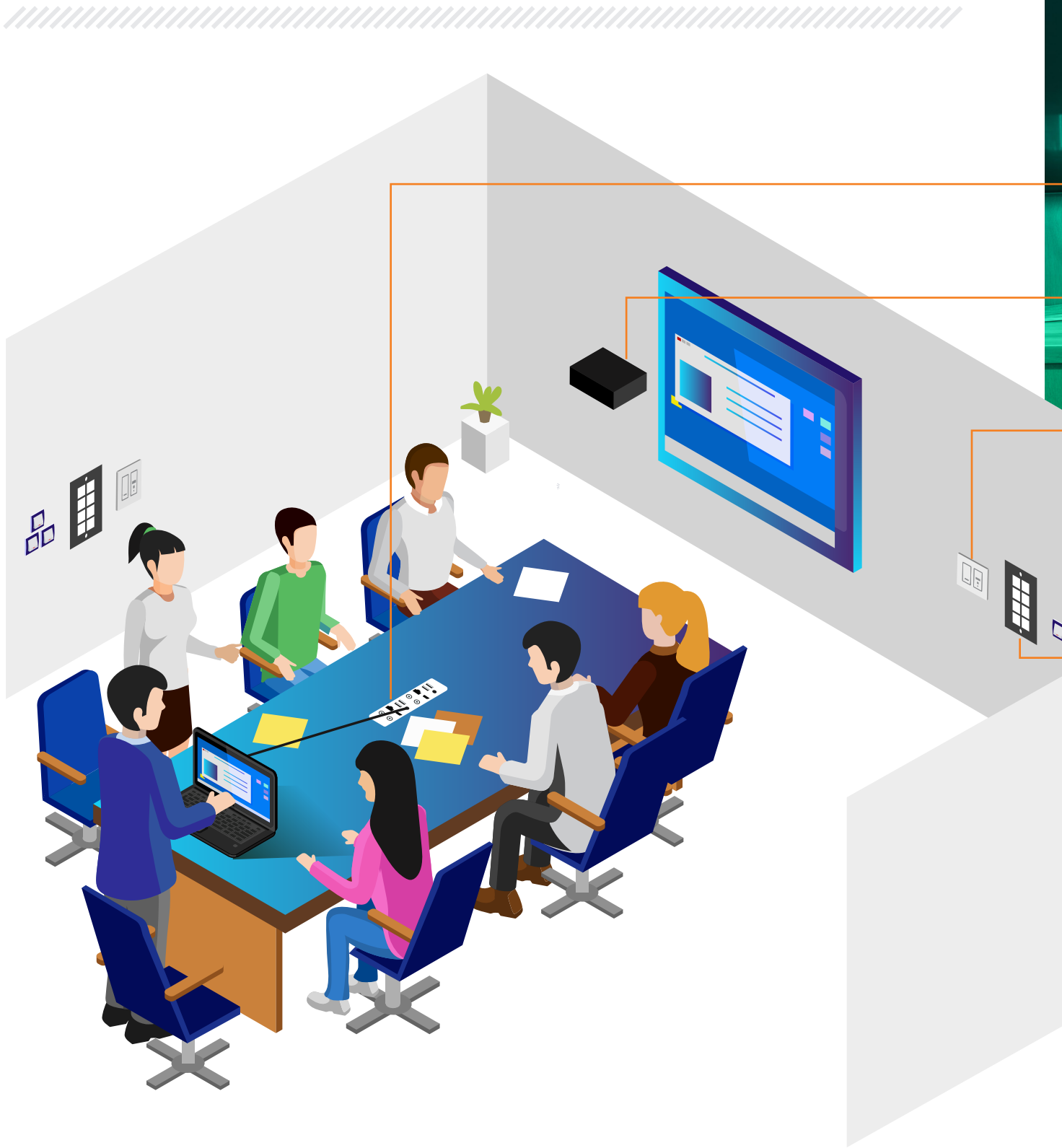
Matrix Video Communications supplied MuxLab's HDMI/RS232 over IP Extender with PoE (model 500753), which sends AV from various sources to one or more displays via a 1Gig Ethernet Switch. All equipment connects to the Extender's transmitters and receivers, enabling nearly unlimited combinations of point-to-point, point-to-multipoint and multipoint-to-multipoint configurations. All transmitters and receivers support PoE, eliminating power requirements.

"The system works perfectly," said Alegado. "We minimized cabling and the complexity that cable runs can bring, while keeping the project parameters well-defined, scalable and still really cost-effective. With this system, AV can go anywhere."

In the active learning classroom, there are six student tables in a circle with the teacher's in the center, each equipped with a display and inputs for computers, laptops and smart devices. The teacher can send the AV on that display to all six student displays, to just one display or to just a few. Likewise, each student can send their AV content to one or many displays in the room.

"The entire system is just seamless, and we used MuxLab's ProDigital Network Controller (500811) for the system configuration so that it's really simple to operate. Color coded buttons move the AV around, so nobody has to think about what needs to go where. It's just very intuitive."

AV in the Conference Room





Select Solutions for Conference Rooms:

5x1 HDMI / HDBT Multimedia Presentation Switch (500435)



Scales and switches any video signal to HDMI and HDBaseT output for a transmission up to 230ft (70m). Five video inputs (3 HDMI, 2 VGA) and 6 audio inputs (3 HDMI audio, 2 VGA and 1 MIC audio input).

HDMI/VGA/Audio Wall-Plate Transmitter, UHD-4K (500455-TX)



Decora® style transmitter for HDMI and VGA sources has two video inputs (HDMI and VGA), one audio in and one HDBaseT out. It supports auto-switching and manual-switching.

8 Button IP PoE Control Panel (500816-IP)



Each button is programmable, and this control panel provides one Ethernet port (for TCP/IP and Telnet), two RS-232 ports, one Infrared port and two Relay ports for control of end devices.

HDMI Wireless Extender (500780-RX)



Alternatively the 500780 may be used to transmit and receive AV wirelessly

HDMI EXTENDER, HDBT LITE, UHD-4K, PoE (500451-PoE-RX)



Extends HDMI up to 131ft (40m) at 4K/30 (4:4:4) or 4K/60 (4:2:0) or up to 230ft (70m) at 1080p via one Cat 5e/6 cable in a point-to-point configuration.

AV over IP in a World Class Sports Bar



Solutions for Restaurants & Sports Bars



Product used in this application:

HDMI over IP PoE Extender
500754-TX

Supports single displays or creates video wall supporting hundreds of displays via an IP network.

HDMI 2.0 Digital Signage Media Player
500769

Delivers streaming H.264/H.265 content up to 4K/60 (4:4:4) from a local network, the Internet, internal memory or external USB memory devices.

ProDigital Network Controller
500811

Allows users to control MuxLab products via a web interface

HDMI over IP PoE Extender
500754-RX

Supports single display or creates video wall supporting hundreds of displays via an IP network.

DigiSign CMS Software

DigiSign works with the Digital Signage Media Player to create, manage and control AV from a variety of sources

MuxControl App

Intuitively designed app gives users complete control of their AV systems.

Solutions for Restaurants & Sports Bars



DigiSign CMS Software

DigiSign works with the Digital Signage Media Player to create, manage and control AV from a variety of sources, including content streaming via the H.264/H.265 codec over a local Ethernet network, Internet, internal memory and external USB 3.0 memory devices. It was designed for an exceptional user experience, is simple to use and allows the user to gather, organize and schedule content.



HDMI over IP PoE Extender

Part# 500754

Extends HDMI and RS232 in point-to-multipoint and multipoint-to-multipoint configurations by connecting to an Ethernet network. It connects from up to 330ft (100m) via one Cat5e/6 unshielded twisted pair cable in a point-to-point configuration and supports video walls.



Video Wall 4K over IP PoE Extender

Part# 500759

Supports single display or Extends HDMI to create a video wall of user configurable size supporting hundreds of displays, depending on network bandwidth.



AV over IP 4K/60 Uncompressed Extender, UTP

Part# 500760

Extends HDMI and DisplayPort to create a video wall, virtual matrix switch and virtual splitter arrangements of user configurable size supporting hundreds of displays, depending on network bandwidth.



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

Part# 500762

Extends HDMI in point-to-multipoint and multipoint-to-multipoint configurations via a local Ethernet network, and supports video wall and multi-view capabilities in a low bandwidth, flexible, expandable and cost effective manner.



HDMI 2.0 Digital Signage Media Player

Part# 500769

Streams multiple H.264/H.265 sources up to 4K/60 (4:4:4) from a local network, the Internet, internal memory or external USB memory devices. It supports multi-view capability and scheduling to automatically deliver customized content. Multiple video, audio and image file formats are supported.



HDMI over IP H.264/H.265 PoE Transmitter, 4K/30

Part# 500763

Extends 4K HDMI in point-to-multipoint and multipoint-to-multipoint configurations via a local Ethernet network in a low bandwidth, flexible, expandable and cost effective manner.



ProDigital Network Controller

Part# 500811

Linux-based PC that allows users to control hub-installed MuxLab products via an Ethernet Web interface. It will scan the LAN for connected MuxLab products allowing the user to configure and control these devices. In addition the unit interfaces with the MuxControl App.



MuxControl App Mux_{IP}Control

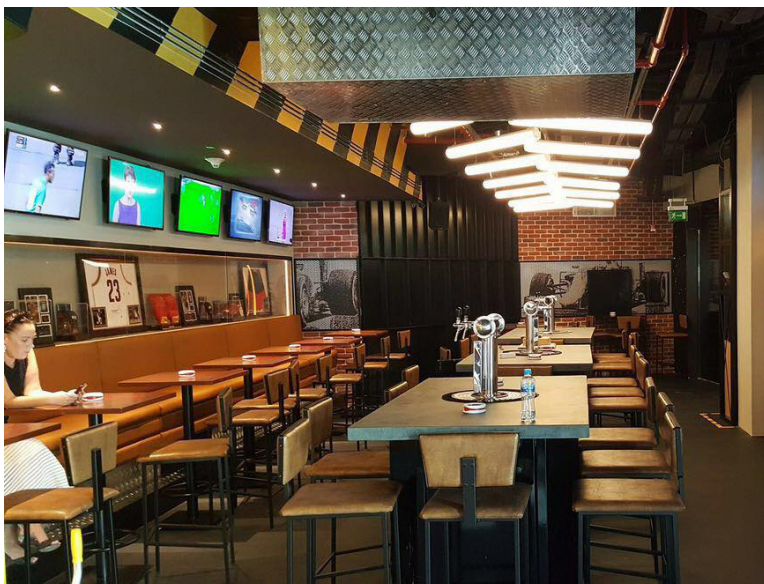
Intuitively designed system gives users complete control of their AV systems based on IP-connectivity from any iOS or Android smart phone or tablet.

Stars 'N' Bars Abu Dhabi Streams Content for Immersive Experiences with MuxLab's Video Wall over IP Solutions

Stars 'N' Bars Abu Dhabi reimagined the legendary Stars 'N' Bars Monte Carlo experience right in their hometown with a pioneering sports bar that offers weekend clubs and front-line sports viewing.

Installed by Link Data Systems, a IT and systems integration firm that provides scalable, high performance deployments of AV and IT infrastructures throughout the entire Gulf Region, the system boasts 4k multi-screen video viewing on 60 displays fed by nine sources.

LDS delivered a video streaming service that the staff can easily operate; anyone can change content on an individual display or a group of displays from a touch screen interface. Content from nine different sources is routed throughout the facility using MuxLab's Video Wall over IP solutions.



"They are thrilled with the installation, and have a MuxLab system that is rich in features, totally reliable and very easy to use..."

Specifically, 50 MuxLab 4K over IP receivers, four Video Wall over IP receivers and nine 4K over IP transmitters, each with PoE capabilities deliver AV from each source to any and all selected displays. MuxLab's Video Wall solutions allow 4K@30Hz to be connected and extended to create a video walls of any user-configurable size supporting nearly unlimited displays, depending on network bandwidth.

MuxLab's ProDigital Network Controller is interfaced with RTI and enables DJs and restaurant staff to very easily select sources and direct content throughout the venue. Future proofing for planned upgrades and network optimization included the installation of shielded CAT-6a cabling infrastructure supporting 10GB bandwidth at selected outlets.

"They are thrilled with the installation and have a MuxLab system that is rich in features, totally reliable and very easy to use," said Stamenkovic. "We say this very confidently because phase two has already been implemented in another location in Dubai using the same concept—all installed on time and within budget."

Digital Signage in Retail



Solutions for Retail



Product used in this application:

Video Wall 4K over IP PoE Extender

500759-RX

Extends 4K to create video walls supporting hundreds of displays, depending on bandwidth.

HDMI 2.0 Digital Signage Media Player

500769

Streams multiple H.264/H.265 sources up to 4K/60 (4:4:4) from a local network, the Internet, internal memory or external USB memory devices.

HDMI over IP PoE Extender

500754-TX

Transmits HDMI via a local Ethernet network.

ProDigital Network Controller

500811

Allows users to control MuxLab products via a web interface.

MuxControl App

Intuitively designed app gives users complete control of their AV systems.

DigiSign CMS Software

DigiSign creates, manages and controls AV content from streaming over an Ethernet network, the Internet, internal memory and external USB 3.0 memory devices.



Solutions for Retail



DigiSign CMS Software

DigiSign works with the Digital Signage Media Player to create, manage and control AV from a variety of sources, including content streaming via the H.264/H.265 codec over a local Ethernet network, Internet, internal memory and external USB 3.0 memory devices. It was designed for an exceptional user experience, is simple to use and allows the user to gather, organize and schedule content.



HDMI over IP PoE Extender

Part# 500754

Extends HDMI and RS232 in point-to-multipoint and multipoint-to-multipoint configurations by connecting to an Ethernet network. It connects from up to 330ft (100m) via one Cat5e/6 unshielded twisted pair cable in a point-to-point configuration and supports video walls.



Video Wall 4K over IP PoE Extender

Part# 500759

Supports single display or Extends HDMI to create a video wall of user configurable size supporting hundreds of displays, depending on network bandwidth.



AV over IP 4K/60 Uncompressed Extender, UTP

Part# 500760

Extends HDMI and DisplayPort to create a video wall, virtual matrix switch and virtual splitter arrangements of user configurable size supporting hundreds of displays, depending on network bandwidth.



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

Part# 500762

Extends HDMI in point-to-multipoint and multipoint-to-multipoint configurations via a local Ethernet network, and supports video wall and multi-view capabilities in a low bandwidth, flexible, expandable and cost effective manner.



HDMI 2.0 Digital Signage Media Player

Part# 500769

Streams multiple H.264/H.265 sources up to 4K/60 (4:4:4) from a local network, the Internet, internal memory or external USB memory devices. It supports multi-view capability and scheduling to automatically deliver customized content. Multiple video, audio and image file formats are supported.



HDMI over IP H.264/H.265 PoE Transmitter, 4K/30

Part# 500763

Extends 4K HDMI in point-to-multipoint and multipoint-to-multipoint configurations via a local Ethernet network in a low bandwidth, flexible, expandable and cost effective manner.



ProDigital Network Controller

Part# 500811

Linux-based PC that allows users to control hub-installed MuxLab products via an Ethernet Web interface. It will scan the LAN for connected MuxLab products allowing the user to configure and control these devices. In addition the unit interfaces with the MuxControl App.



MuxControl App Mux_{IP}Control

Intuitively designed system gives users complete control of their AV systems based on IP-connectivity from any iOS or Android smart phone or tablet.

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.

MuxControl

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

Access all the capabilities of the ProDigital Network Controller from any smart phone or tablet

Create automated tasks using preset configurations

Customize unique, virtual remote controls

Pre-program the app and hand it over to clients as a value-add

Swipe right to access all rooms

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

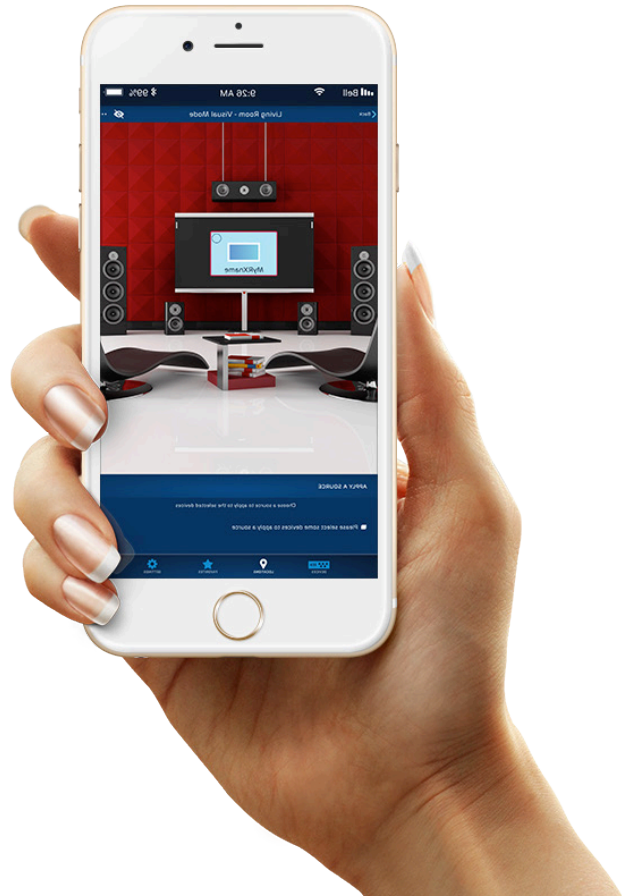
Manage multiple sites via graphical floor plans

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 Third Party Drivers



AV in Airport



Solutions for Airports



Product used in this application:

HDMI 2.0 Digital Signage Media Player

500769

Multicast to one or more receivers over an IP network. Use in long hallways and large classrooms to daisy-chain multiple speakers

HDMI over IP H.264/H.265 PoE Transmitter, 4K/30

500763-TX

Extends HDMI in one-to-many and many-to-many configurations via an Ethernet network, and supports video wall and multi-view capabilities.

ProDigital Network Controller

500811

Allows users to control MuxLab products via a web interface

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

500762-RX

Extends HDMI in one-to-many and many-to-many configurations via an Ethernet network, and supports video wall and multi-view capabilities.

DigiSign CMS Software

DigiSign works with the Digital Signage Media Player to create, manage and control AV from a variety of sources

MuxControl App

Intuitively designed app gives users complete control of their AV systems.

Solutions for Airports



DigiSign CMS Software

DigiSign works with the Digital Signage Media Player to create, manage and control AV from a variety of sources, including content streaming via the H.264/H.265 codec over a local Ethernet network, Internet, internal memory and external USB 3.0 memory devices. It was designed for an exceptional user experience, is simple to use and allows the user to gather, organize and schedule content.



HDMI over IP PoE Extender

Part# 500754

Extends HDMI and RS232 in point-to-multipoint and multipoint-to-multipoint configurations by connecting to an Ethernet network. It connects from up to 330ft (100m) via one Cat5e/6 unshielded twisted pair cable in a point-to-point configuration and supports video walls.



Video Wall 4K over IP PoE Extender

Part# 500759

Supports single display or Extends HDMI to create a video wall of user configurable size supporting hundreds of displays, depending on network bandwidth.



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

Part# 500762

Extends HDMI in point-to-multipoint and multipoint-to-multipoint configurations via a local Ethernet network, and supports video wall and multi-view capabilities in a low bandwidth, flexible, expandable and cost effective manner.



AV over IP 4K/60 Uncompressed Extender, UTP

Part# 500760

Extends HDMI and DisplayPort to create a video wall, virtual matrix switch and virtual splitter arrangements of user configurable size supporting hundreds of displays, depending on network bandwidth.



ProDigital Network Controller

Part# 500811

Linux-based PC that allows users to control hub-installed MuxLab products via an Ethernet Web interface. It will scan the LAN for connected MuxLab products allowing the user to configure and control these devices. In addition the unit interfaces with the MuxControl App.



HDMI over IP H.264/H.265 PoE Transmitter, 4K/30

Part# 500763

Extends 4K HDMI in point-to-multipoint and multipoint-to-multipoint configurations via a local Ethernet network in a low bandwidth, flexible, expandable and cost effective manner.



HDMI 2.0 Digital Signage Media Player

Part# 500769

Streams multiple H.264/H.265 sources up to 4K/60 (4:4:4) from a local network, the Internet, internal memory or external USB memory devices. It supports multi-view capability and scheduling to automatically deliver customized content. Multiple video, audio and image file formats are supported.



MuxControl App MuxControl

Intuitively designed system gives users complete control of their AV systems based on IP-connectivity from any iOS or Android smart phone or tablet.



DigiSign: Content Management System for Windows, iOS & Android



MuxLab's HDMI 2.0 Digital Signage Player (model 500769) works with DigiSign software, allowing users to create, manage and control AV from a variety of sources, including content streaming via the H.264/H.265 codec over a local Ethernet network, Internet, internal memory and external USB 3.0 memory devices.

DigiSign provides an exceptional user experience, is simple to operate and allows the user to gather, organize and schedule content. Content can be autonomously scheduled for the week, with additional weeks ready to automatically play, offering a "set and forget" functionality. Users can create multi-view window layouts and assign audio, video and images, including text banners and logos to each. Content can be scheduled in minutes, simplifying the time-intensive task of curating content for long periods of time. AV can play simultaneously from multiple sources, and can be up-scaled and output it at 4K@60Hz (4:4:4) resolution.

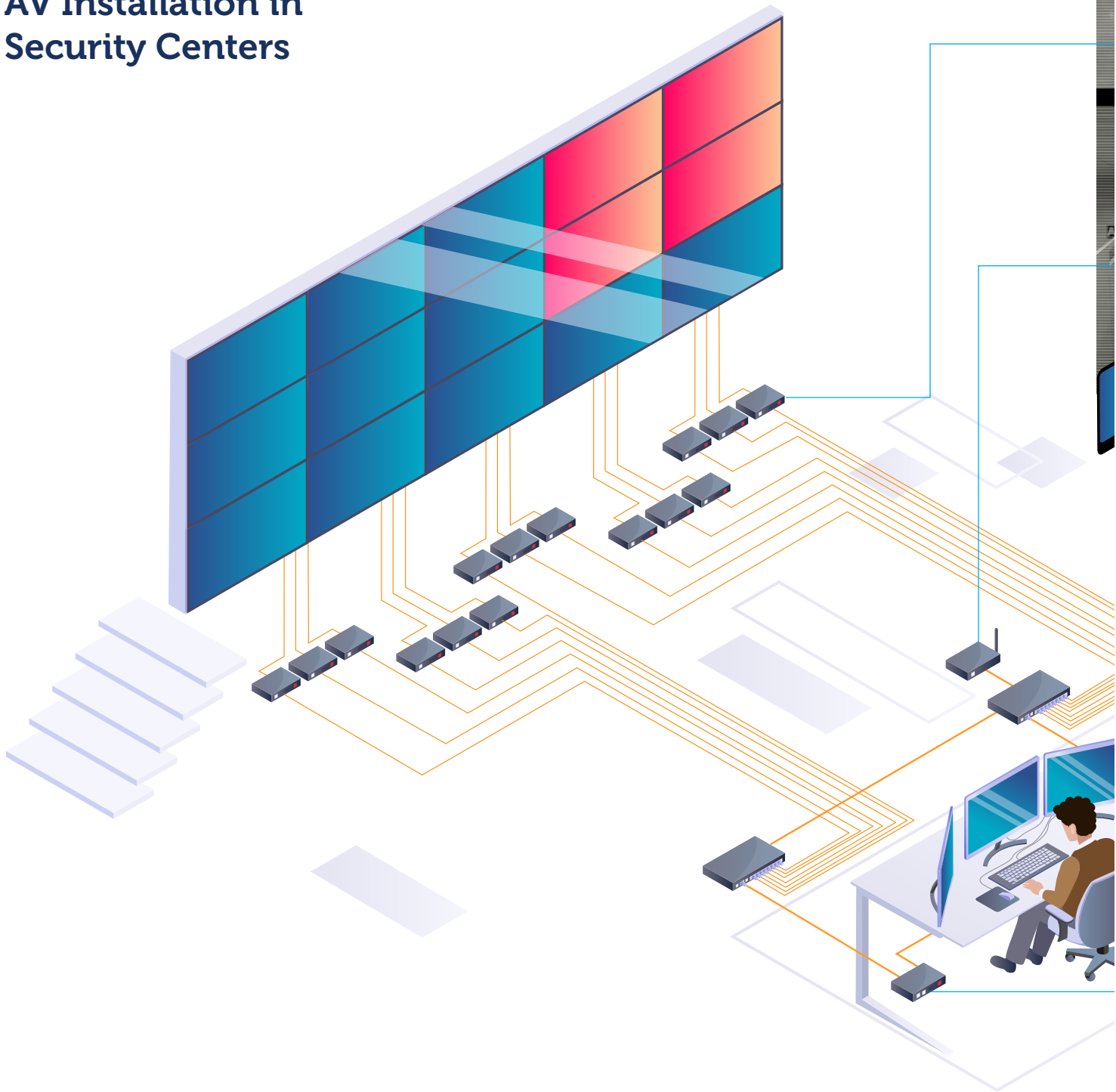


Departures						
Terminal	Flight	Destination	Time	Gate	Remark	
Terminal D	BR117	Edinburgh	06:45	40		
Terminal D	CA1347	Bucharest	06:50	22		
Terminal B	BR165	Brussels	06:55	10		
Terminal D	BR929	Thiruvananthapuram	07:05	41	CHECK-IN	
Terminal D	BR972	Tel Aviv	07:05	40	CHECK-IN	
Terminal Z	BR6708	Copenhagen	07:10	60	CHECK-IN	
Terminal B	AF6551	Glasgow	07:15	23	CHECK-IN	
Terminal D	AF765191	Zurich	07:15	43	CHECK-IN	
Terminal B	QJ301103	Rome	07:25	11	CHECK-IN	
Terminal D	RZ 3030F	Warsaw Chopin	07:35	12	CHECK-IN	
Terminal D	AF10070L	Dusseldorf	07:35	45	CHECK-IN	
Terminal D	AF1765KL	Berlin	07:40	31	ON TIME	
Terminal D	RZ3635	Aberdeen	07:45	04	ON TIME	
Terminal D	QJ3729	Kyiv	07:50	24	DELAYED	
Terminal D	AF5610D	Paris CDG	07:55	25	ON TIME	

Arrivals	
Terminal	Flight
Terminal A	AX122500
Terminal B	AC 556
Terminal C	AA14566C
Terminal A	KR 10260
Terminal D	AM 600
Terminal D	OU9581
Terminal A	TV112500
Terminal D	AY 105
Terminal C	KBP302
Terminal A	AY7815
Terminal Z	T10
Terminal C	AY7512
Terminal A	GE 780
Terminal B	AF5680FE
Terminal D	GE 997
Terminal A	S1558180
Terminal A	CA938180
Terminal A	EK 607
Terminal A	AF1255
Terminal B	CX 605
Terminal D	BB 125
Terminal B	CA9078
Terminal A	EQ9358
Terminal C	AD1028

AV in a AV in Security Centers

AV Installation in Security Centers



Solutions for Security Centers



Product used in this application:

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

500762-RX

Extends HDMI in one-to-many and many-to-many configurations via an Ethernet network, and supports video wall and multi-view capabilities.

ProDigital Network Controller

500811

Allows users to control MuxLab products via a web interface

MuxControl App

Intuitively designed app gives users complete control of their AV systems.

HDMI over IP H.264/H.265 PoE Transmitter, 4K/30

500763-TX

Extends HDMI in one-to-many and many-to-many configurations via an Ethernet network, and supports video wall and multi-view capabilities.

KVM for Control Room/Data Center

KVM Over IP



KVM Solutions for Control Room/Data Center



KVM HDMI OVER IP PoE

Part# 500770-TX

The Transmitter terminates to a computer server/workstation via an HDMI & USB port. The Receiver terminates to an HDMI display and up to 4 USB devices such as a keyboard, mouse, printer, drawing pad, storage device, camera, etc., via a 4 port USB hub. A single Receiver can be switched via hotkey sequences to any Transmitter on the network, allowing a single operator to manage numerous servers/workstations, in a distributed KVM application.



KVM HDMI OVER IP PoE

Part# 500770-RX

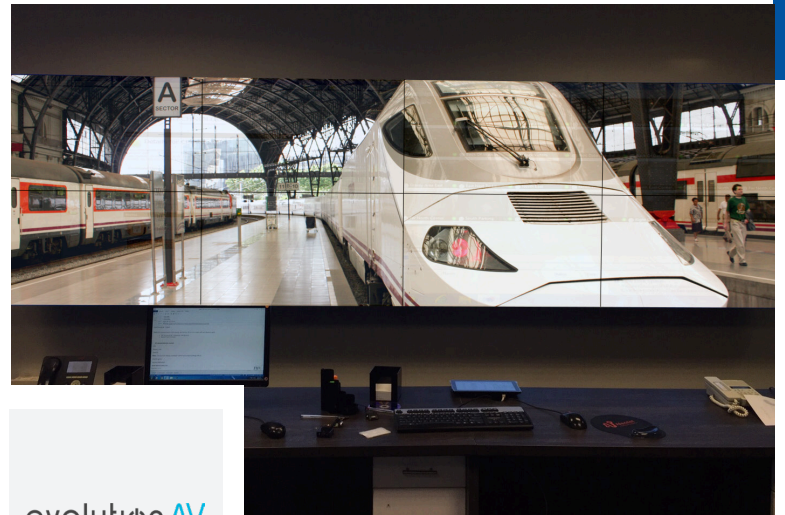
The USB KVM Extender over IP PoE allows HDMI & USB equipment to be connected up to 330ft (100m) over an Ethernet LAN, supporting 1920x1200 and 1080p resolution @ 60Hz via Cat5e/6 cable in multiple point-to-point and point-to-multipoint configurations. The Transmitter (500770-TX) and Receiver (500770-RX) support PoE (PD) if used with a PoE (PSE) Ethernet Switch.

Major Rail Company Upgrades Command Centre with MuxLab's IP-Based 4K Video Wall

Monitoring remote railways in varied locations can be a challenging endeavor. But with a new live streaming 4K video wall, remote monitoring is more accessible than ever before. With sixteen 55-inch displays stacked in an 8x2 configuration, this massive video wall provides a bird's eye view of train locations with the ability to zoom in anywhere needed.

Cameras are installed alongside MuxLab's Video Wall 4K over IP PoE Extenders (model 500759), which connect many 4K HDMI sources to many displays via a 1Gig Ethernet Switch. Ethernet connectivity enables anytime/anywhere viewing free from traditional cabling constraints.

"It's like a mini-NASA in there now," said Evolution



evolutionAV

"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."

Presentation Technologies' Account Manager, Chris Meaney, who oversaw the system integration. "The video wall spans the entire wall so it's ultimately very effective for the operators to keep their eyes on the areas they need to monitor daily."

By electing to use an IP-based solution, the entire installation was more cost-effective and easier to implement. They were able to avoid traditional cable-based solutions for transmitting 4K HDMI such as fiber which can be very costly to implement.

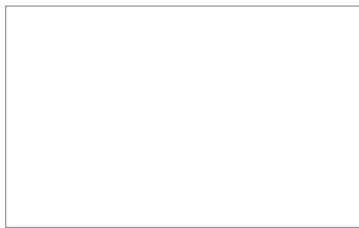
"MuxLab's AV over IP solutions have proven to be exceedingly reliable; they're not only easier to install but they're also ultimately more cost-effective."



Pro AV PART NUMBER Reference Guide

Part #	Description
500025	Monopro XLR, M
500026	Monopro XLR, F
500027	Stereo Audio Balun
500028	Stereo Hi-Fi Balun
500028-2PK	Stereo Hi-Fi Balun, 2-Pack
500028-F	Stereo Hi-Fi Balun, F
500028-F-2PK	Stereo Hi-Fi Balun, F, 2-Pack
500028-WP-UK	Stereo Hi-Fi Wall Plate Balun, UK
500028-WP-US	Stereo Hi-Fi Wall Plate Balun, US
500030	Stereo Pc-Audio Balun
500033	Quad Audio Balun
500039	Stereo Hi-Fi Video Balun
500039-2PK	Stereo Hi-Fi Video Balun, 2-Pack
500039-GLI	Stereo Hi-Fi Video GLI Balun
500040	VGA Balun II Hd15M PC Side
500040-42-PK	VGA Balun II Kit (500040 + 500042)
500041-WP-US	VGA Wall Plate Balun II, Mon Side, US
500041	VGA Balun II HD15F Monitor Side
500042	VGA Balun II Hd15M Monitor Side
500072	USB 2.0 4-Port Extender Kit
500080	Digital Audio Converter, Lpcm
500081	Digital Audio Converter, 5.1 Channel
500086	Digital Audio Extender Kit, 100m
500087	Digital Audio Converter
500088	Digital Audio 5.1-Channel & DTS Converter
500149	VGA to HDMI converter with scaler
500216-EU	Audio Zone Amplifier, 2x20W, EU
500216-IR	Audio Zone Amplifier, IR Remote Kit
500216-UK	Audio Zone Amplifier, 2x20W, UK
500216-US	Audio Zone Amplifier, 2x20W, US
500217	Audio Zone Amplifier 100W
500219	Analog Audio Balun Amplifier
500390	DVI/Audio Extender Kit, 110-220V
500391	DVI/USB 2.0 Extender Kit
500401	HDMI Extender Kit, 110-220V
500402	HDMI Passive Extender Kit
500404	HDMI / Bi-IR Extender Kit
500412-US	HDMI 4x4 Matrix Switch Kit, HDBT, PoC, 4K/60 w/3 Receivers
500412-UK	HDMI 4x4 Matrix Switch Kit, HDBT, PoC, 4K/60 w/3 Receivers
500412-EU	HDMI 4x4 Matrix Switch Kit, HDBT, PoC, 4K/60 w/3 Receivers
500421	HDMI 1X4 Splitter, 4K, 110-220V
500422	HDMI 1X8 Splitter, 4K, 110-220V
500423	HDMI 1X2 Splitter, UHD-4K
500424-EUR	HDMI/HDBT 1x4 Splitter, RS232, UHD-4K, EUR
500424-UK	HDMI/HDBT 1x4 Splitter, RS232, UHD-4K, UK
500424-US	HDMI/HDBT 1x4 Splitter, RS232, UHD-4K, US
500425	HDMI 1x2 Splitter, 4K/60
500426	HDMI 1x4 Splitter, 4K/60
500427	HDMI 1x8 Splitter, 4K/60
500435	5x1 HDMI / HDBT Multimedia Presentation Switch
500436	HDMI to HDMI with Audio Extraction, 4K/60
500437	HDMI 4x1 Switcher with Audio Extraction, 4K/60
500438	HDMI Video Scaler, 4K/60
500439	HDMI Audio Extractor with Dolby & DTS Downmixer
500440	4x4 HDMI to HDMI Matrix, 4K
500442	4x2 HDMI to HDMI Matrix, 4K
500443-US	HDMI 8x8 Matrix Switch, 4K/60 US
500443-UK	HDMI 8x8 Matrix Switch, 4K/60 UK
500443-EU	HDMI 8x8 Matrix Switch, 4K/60 EU
500444	HDMI 4x4 Matrix Switch, 4K/60
500450	HDMI Extender Kit Plus, HDBT, UHD-4K
500451	HDMI Extender Kit, HDBT, UHD-4K
500451-PoE	HDMI Extender Kit, PoE, HDBT, UHD-4K
500451-PoE-RX	HDMI Receiver, PoE, HDBT, UHD-4K
500451-PoE-TX	HDMI Transmitter, PoE, HDBT, UHD-4K
500451-RX	HDMI Receiver, 110-220V
500451-TX	HDMI Transmitter, 110-220V
500451-WP-DEC	HDMI Wall-Plate Extender Kit, HDBT, UHD-4K (Decora)

Part #	Description
500451-WP-DEC-RX	HDMI Wall-Plate Extender Receiver, HDBT, UHD-4K (Decora)
500451-WP-DEC-TX	HDMI Wall-Plate Extender Transmitter, HDBT, UHD-4K (Decora)
500455-TX	HDMI - VGA/Audio Wall-Plate Transmitter
500456	HDMI 5-Play Extender Kit, UHD-4K
500456-TX	HDMI 5-Play Extender, UHD-4K, TX
500457	HDMI/USB2.0 Extender Kit
500458-ARC	HDMI/RS232 Extender Kit with ARC, HDBT, UHD-4K
500459	HDMI/RS232 Extender Kit, HDBT, 4K/60
500459-100	HDMI/RS232 100m Extender Kit, HDBT, 4K/60
500460	HDMI 4K Fiber Extender Kit, 110-220V
500460-RX	HDMI Fiber Extender Receiver
500461	Mini HDMI Fiber 4K Extender Kit
500462	HDMI Optical Isolator Kit
500463	DVI Fiber Optic Extender Kit
500464	HDMI 2.0 over Fiber, 4K/60 Extender
500465	HDMI Over Coax Extender Kit, 110-220V
500465-RX	HDMI Over Coax Receiver
500466	HDMI To VGA Converter
500501	DisplayPort to HDMI Active Adapter
500502	DisplayPort 1.2a Fiber Extender Kit
500505	DisplayPort 1.2a 1x2 Splitter, SST
500506	DisplayPort 1.2a 1x2 Hub, MST
500600	IR Remote Extender Kit, 110-220V
500752-RX	HDMI Over IP Receiver with PoE
500752-TX	HDMI Over IP Transmitter with PoE
500754-RX	HDMI over IP PoE Receiver, HD
500754-TX	HDMI over IP PoE Transmitter, HD
500755	Audio/RS232/IR over IP Tranceiver with PoE
500755-AMP-RX-US	Audio / AMP over IP RX Extender, with AMP 50W/CH, US
500755-AMP-RX-UK	Audio / AMP over IP RX Extender, with AMP 50W/CH, UK
500755-AMP-RX-EU	Audio / AMP over IP RX Extender, with AMP 50W/CH, EU
500755-AMP-TX	Audio / AMP over IP TX Extender, with Mic
500755-70V	70V Audio Converter
500756-RX	3G-SDI over IP Receiver with PoE
500756-TX	3G-SDI over IP Transmitter with PoE
500759-RX	HDMI 2.0 over IP PoE Receiver, UHD-4K
500759-TX	HDMI 2.0 over IP PoE Transmitter, UHD-4K
500759-TX-Dante	HDMI/Dante over IP PoE Transmitter, UHD-4K
500760-RX-US	AV over IP 4K/60 Uncompressed Receiver, UTP, US
500760-RX-UK	AV over IP 4K/60 Uncompressed Receiver, UTP, UK
500760-RX-EU	AV over IP 4K/60 Uncompressed Receiver, UTP, EU
500760-TX-US	AV over IP 4K/60 Uncompressed Transmitter, UTP, US
500760-TX-UK	AV over IP 4K/60 Uncompressed Transmitter, UTP, UK
500760-TX-EU	AV over IP 4K/60 Uncompressed Transmitter, UTP, EU
500761-RX-US	AV over IP 4K/60 Uncompressed Receiver, Fiber, US
500761-RX-UK	AV over IP 4K/60 Uncompressed Receiver, Fiber, UK
500761-RX-EU	AV over IP 4K/60 Uncompressed Receiver, Fiber, EU
500761-TX-US	AV over IP 4K/60 Uncompressed Transmitter, Fiber, US
500761-TX-UK	AV over IP 4K/60 Uncompressed Transmitter, Fiber, UK
500761-TX-EU	AV over IP 4K/60 Uncompressed Transmitter, Fiber, EU
500762-RX	HDMI over IP H.264/H.265 PoE Receiver, 4K/60
500762-TX	HDMI over IP H.264/H.265 PoE Transmitter
500763-TX	HDMI over IP H.264/H.265 PoE Transmitter, 4K/30
500765	Dante/Quad Channel Audio PoE Gateway
500768-RX	HDMI over IP Uncompressed Receiver, 4K/60
500768-TX	HDMI over IP Uncompressed Transmitter, 4K/60
500769	HDMI 2.0 Digital Signage/Media Player
500770-RX	KVM HDMI over IP PoE Extender Kit RX
500770-TX	KVM HDMI over IP PoE Extender Kit TX
500771-RX	DVI / USB2.0 KVM over IP PoE Extender RX
500771-TX	DVI / USB2.0 KVM over IP PoE Extender TX
500773-TX	HDMI / VGA over IP 4K PoE Wall Plate, TX
500773-TX-WH	HDMI / VGA over IP 4K PoE Wall Plate, TX (White)
500777-TX	HDMI/VGA/USB over IP PoE WP Transmitter, UHD-4K
500777-TX-WH	HDMI/VGA/USB over IP PoE WP Transmitter, UHD-4K (White)
500777-RX	HDMI/USB over IP PoE WP Receiver, UHD-4K
500778-TX	DomoStream Transmitter
500778-RX	DomoStream Receiver
500780	HDMI Wireless Extender Kit, 100ft
500780-RX	HDMI Wireless Extender Kit, RX
500811	Pro Digital Network Controller
500816-IP	8 Button IP POE Control Panel
500830	HDMI 2.0/3G-SDI Signal Generator
500831	HDMI 2.0/3G-SDI Signal Analyzer
500840	HDMI / 3G-SDI Triple Display
500841	HDMI / 3G-SDI Dual Display



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