



## HDMI over IP PoE Workstation Transceiver, 4K30

500862



### Overview

The HDMI over IP PoE Workstation Transceiver, 4K30 (model 500862) allows HDMI & USB equipment to be connected up to 330ft (100m) over an Ethernet LAN, supports HDMI up to 4K @ 30Hz via Cat5e/6 cable in multiple point-to-point and point-to-multipoint configurations, it also allows offers enhanced features such as username/password authentication, share content between workstations, creation of video walls in workstations, mouse-roaming between monitors on workstation video wall, displays previews in the OSD menu, creation computers/servers groups, amount others. The HDMI over IP PoE Workstation Transceiver, 4K30 allows users to access, share, and switch full control of connected computers/servers from any workstation over the network.. A single Transceiver allows one operator to manage numerous computers/servers, in a distributed KVM application.

### Applications

- KVM /AV Systems
- Classroom training systems
- Digital signage
- Boardroom systems
- Collaborative PC systems
- Medical information systems

### Key Features

- Extends local audio/video transmission up to 330ft (100m) over Cat5e/6 or 2Km over Fiber
- H.264/265 video codec
- High image quality and ~80ms latency
- Supports KVM workstation with mouse & keyboard control
- Supports seamless switching
- Supports access to up to 9 computers/servers simultaneously on each workstation screen
- Supports real-time preview of all sources in OSD
- Supports push content from any workstation to any workstation or video wall
- Supports Workstation Video Wall
- Supports the creation of groups of computers or servers

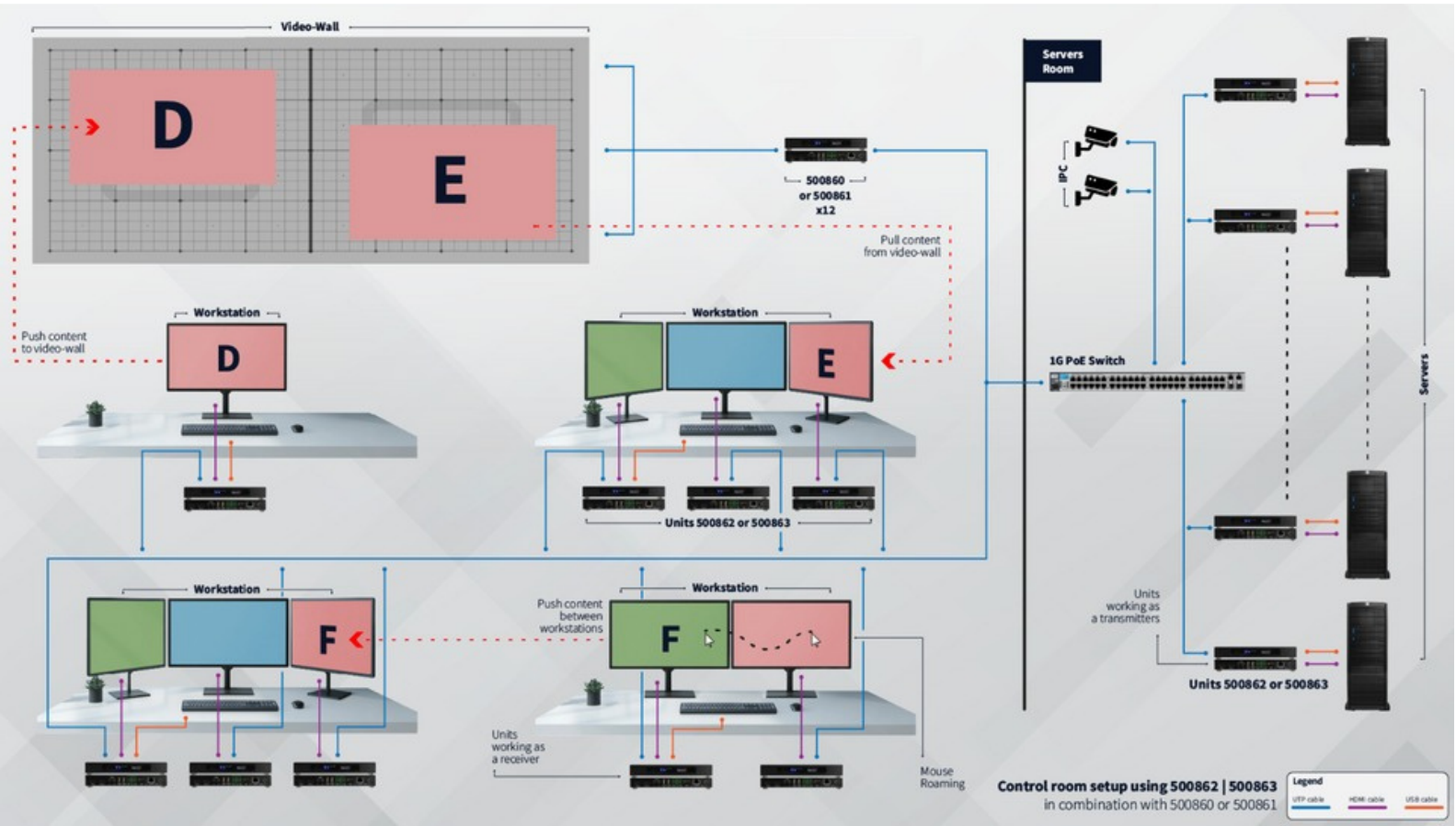


Control and Management via the intuitive **MuxLab KVM & AV Management Tool & OSD Menu.**

# Specification

| Technical                                        |                                                                                                                                                                                                                    |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Environment                                      | HDMI 1.4                                                                                                                                                                                                           |
| Devices                                          | Blu-Ray, Set Top Boxes, projectors, monitors, TVs, PCs, supporting HDMI.                                                                                                                                           |
| Signal Protocol/Standard                         | HDMI 1.4 and HDCP 1.4                                                                                                                                                                                              |
| Video Resolution                                 | Up to 4K/30 in and out                                                                                                                                                                                             |
| Audio                                            | 3.5mm Line in/out, or HDMI audio                                                                                                                                                                                   |
| Latency                                          | 80 ~ 120ms                                                                                                                                                                                                         |
| Network Bandwidth                                | Up to 12Mbps                                                                                                                                                                                                       |
| Protocols                                        | Supports Multicast, RTSP, RTMP                                                                                                                                                                                     |
| Compression                                      | Supports H.264/265                                                                                                                                                                                                 |
| Front Panel                                      |                                                                                                                                                                                                                    |
| Indicators                                       | Power: Power indicator Sys:<br>System indicator Link: LAN<br>cable connection indicator HD:<br>HDMI signal status                                                                                                  |
| OLED Screen                                      | Showing the Model, ID, IP, status                                                                                                                                                                                  |
| Rear Panel                                       |                                                                                                                                                                                                                    |
| Video                                            | 2 x HDMI Type-A                                                                                                                                                                                                    |
| Control Ports                                    | 1 x RS485 phoenix connector<br>1 x Relay phoenix connector<br>1 x I/O phoenix connector (Programmable as IR input/output or voltage sensor)                                                                        |
| Audio                                            | 1 x 3.5mm IN<br>1 x 3.5mm OUT                                                                                                                                                                                      |
| LAN                                              | 1 x RJ45 (PoE)<br>1 x SFP Cage                                                                                                                                                                                     |
| USB                                              | 2 x USB-B ports for Keyboard & Mouse or PC host                                                                                                                                                                    |
| Power                                            | 12VDC 1A                                                                                                                                                                                                           |
| General                                          |                                                                                                                                                                                                                    |
| Control                                          | Windows PC software (MuxLab KVM & AV Management Tool), Android/iOS APP                                                                                                                                             |
| Power Source                                     | This device supports PoE (PD), an external power supply is not included. It is intended to be powered via a PoE (PSE) Ethernet Switch. If required, an optional power supply (500988) may be purchased separately. |
| Power Consumption                                | <10W                                                                                                                                                                                                               |
| Temperature                                      | Operating: 0° to 40°C                      Storage: -20° to 85°C<br>Humidity: Up to 90% non-condensing                                                                                                             |
| Dimensions                                       | LxWxH (191mm x 100mm x 25mm)                                                                                                                                                                                       |
| Weight                                           | 1.2lbs (0.54kg)                                                                                                                                                                                                    |
| Compliance                                       | Regulatory: FCC, CE, RoHS      Flammability: 94V0                                                                                                                                                                  |
| Warranty                                         | 2 years                                                                                                                                                                                                            |
| Order Information                                | 500862 HDMI over IP PoE Workstation Transceiver, 4K30 (UPC: 627699008621)                                                                                                                                          |
| Accessories<br>(These items are sold separately) | 500988 Univ. PSU 12VDC/2.0A Lock US/UK/EU<br>500925 14 Port Rackmount Transceiver Chassis 5.5U                                                                                                                     |

# Application Example



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