

# TLI Pro 101

## TOUCHLINK INTERFACE



- ▶ Compatible with third party touchscreen displays up to 1920x1200, as well as HDTV 1080p/60
- ▶ Compatible with all IP Link® Pro control processors
- ▶ Power over Ethernet allows the interface to receive power and control over a single Ethernet cable, eliminating the need for a local power supply
- ▶ Supports HDCP-compliant HDMI for full-motion video preview and monitoring
- ▶ Advanced Extron video signal processing with a high performance scaling engine
- ▶ One high speed USB 2.0 port for third-party touchscreens or HID support
- ▶ Automatic clock synchronization allows the interface to display the accurate time and date
- ▶ Adjustable sleep timer puts interface into sleep mode
- ▶ Fully customizable using Extron control system software
- ▶ Supports TouchLink for iPad and TouchLink for Web
- ▶ 1U, half rack width metal enclosure

The Extron TLI Pro 101 is a TouchLink® Interface that allows a third party touchscreen display to be used as a point of control within an Extron Pro Series control system. This unique interface includes a scaled HDCP-compliant HDMI input for video preview. The scaled output supports displays from 800x600 to 1920x1200, as well as HDTV 1080p/60. The TLI Pro 101 works with any Extron IP Link® Pro control processor, enabling third party touchscreen devices to be used for complete, interactive control of conferencing systems, displays, switchers, and source devices.



**Extron Electronics**  
INTERFACING, SWITCHING AND CONTROL

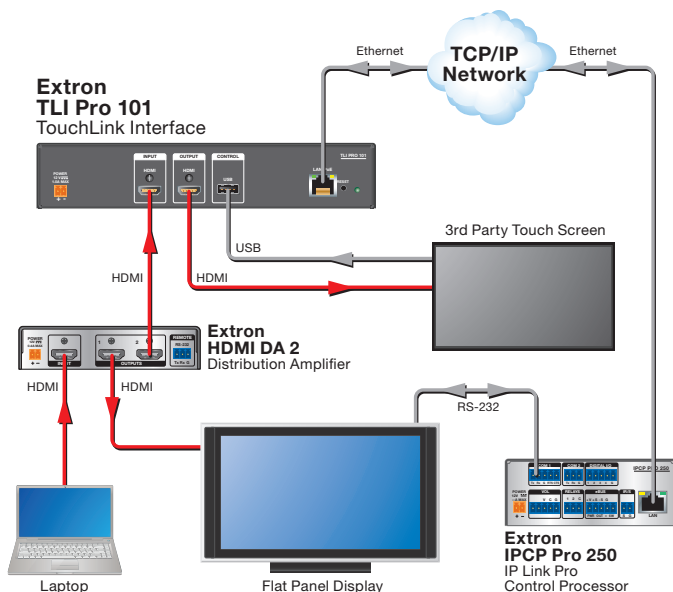
## DESCRIPTION

The Extron **TLI Pro 101** is a TouchLink Interface that allows a third party touchscreen display to be used as a control interface within an Extron Pro Series control system. A scaled HDCP-compliant HDMI input provides video preview and a scaled HDMI output supports displays from 800x600 to 1920x1200, as well as HDTV 1080p/60. Power over Ethernet - PoE allows the TLI Pro 101 to receive power and communications over a single Ethernet cable. The TLI Pro 101 is ideal for control applications that require a fully-customizable third party touchscreen interface with multi-source video preview and a scalable, high resolution HDMI output.

The TLI Pro 101 works with any Extron IP Link Pro control processor and is designed for use in AV system applications that require complete, interactive control of conferencing systems, displays, switchers and source devices. The TLI Pro 101 operates using standard network infrastructure and is easy to install with reliable and cost effective Ethernet cable.

The TLI Pro 101 is customized using Extron GUI Designer software. This powerful interface design software offers ready-to-use resource kits to help design a wide variety of interfaces for rooms and presentation environments.

## APPLICATION DIAGRAM



## SPECIFICATIONS

| VIDEO INPUT                            |                                                                                                                                                           |             |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Resolution range                       | Up to 1920x1200*, 2K, or 1080p (HDTV)<br>* reduced blanking                                                                                               |             |
| Number/signal type                     | 1 HDMI (HDCP compliant)                                                                                                                                   |             |
| Connectors                             | 1 female HDMI type A                                                                                                                                      |             |
| Horizontal frequency                   | 18.75 kHz to 75 kHz                                                                                                                                       |             |
| Standards                              | DVI 1.0, HDMI, HDCP                                                                                                                                       |             |
| VIDEO PROCESSING                       |                                                                                                                                                           |             |
| HDMI pixel data bit depth              | 8, 10, or 12 bits per channel; 165 MHz pixel clock                                                                                                        |             |
| Colors                                 | 1 billion (10 bit processing)                                                                                                                             |             |
| MEMORY                                 |                                                                                                                                                           |             |
| SDRAM                                  | 512 MB                                                                                                                                                    |             |
| Flash                                  | 512 MB                                                                                                                                                    |             |
| VIDEO OUTPUT                           |                                                                                                                                                           |             |
| Number/signal type                     | 1 HDMI (HDCP compliant)                                                                                                                                   |             |
| Connectors                             | 1 female HDMI type A                                                                                                                                      |             |
| Vertical frequency                     | 23.98 Hz, 24 Hz, 25 Hz, 29.97 Hz, 30 Hz, 50 Hz, 59.94 Hz, 60 Hz                                                                                           |             |
| CONTROL — ETHERNET INTERFACE           |                                                                                                                                                           |             |
| Ethernet control/communications port   | 1 female RJ-45 connector                                                                                                                                  |             |
| Ethernet data rate                     | 10/100 Base-T, half/full duplex with autotdetect                                                                                                          |             |
| Protocols                              | DHCP, DNS, HTTP, HTTPS, ICMP, SFTP, SSH, TCP/IP, UDP/IP                                                                                                   |             |
| Program control                        | Extron Global Configurator Plus and Professional<br>Extron GUI Designer                                                                                   |             |
| CONTROL — USB                          |                                                                                                                                                           |             |
| Number/signal type                     | 1 high-speed USB 2.0 device                                                                                                                               |             |
| USB standards                          | USB 2.0, USB 1.1, USB 1.0 compatible                                                                                                                      |             |
| USB data rates                         | Low speed (1.5 Mbps), full speed (12 Mbps)                                                                                                                |             |
| GENERAL                                |                                                                                                                                                           |             |
| Power supply                           | External<br>Input: 100-240 VAC, 50-60 Hz<br>Output: 12 VDC, 1 A, 12 watts                                                                                 |             |
| Power input requirements               | 12 VDC<br>or Power over Ethernet (PoE 802.3af, class 3)                                                                                                   |             |
| Power over Ethernet (PoE) requirements | Complies with 802.3af, class 3                                                                                                                            |             |
| Temperature/humidity                   | Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing<br>Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing                |             |
| Rack mount                             | Yes, with included rack ears                                                                                                                              |             |
| Enclosure dimensions                   | 1.7" H x 8.7" W x 9" D (1U high, half rack wide)<br>(4.3 cm H x 22.1 cm W x 22.9 cm D)<br>(Depth excludes connectors)                                     |             |
| Regulatory compliance                  | Safety<br>CE, c-UL, UL<br>EMI/EMC<br>CE, C-tick, FCC Class A, ICES, VCCI<br>Environmental<br>Complies with the appropriate requirements of RoHS and WEEE. |             |
| Warranty                               | 3 years parts and labor                                                                                                                                   |             |
| Model                                  | Version Description                                                                                                                                       | Part number |
| TLI Pro 101                            | TouchLink Interface                                                                                                                                       | 60-1083-01  |

For complete specifications, please go to [www.extron.com](http://www.extron.com)  
Specifications are subject to change without notice.

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