

# Specifications

## TLP Pro 835M Series and TLS 835M

### Display

|                     |                                  |
|---------------------|----------------------------------|
| Screen type .....   | IPS TFT active matrix color LCD  |
| Size .....          | 8.0" (20.3 cm) diagonal          |
| Resolution .....    | 1280x800 (WXGA)                  |
| Pixel density ..... | 188.7 PPI                        |
| Aspect ratio .....  | 16:10                            |
| Color depth .....   | 24 bit, 16.7 million colors      |
| Brightness .....    | 420 nits (cd/m <sup>2</sup> )    |
| Contrast .....      | 1200:1                           |
| Backlight .....     | LED with auto brightness control |
| Viewing angle ..... | ±80° horizontal, ±80° vertical   |
| Touch screen .....  | Projected capacitive             |

### Memory

|                              |           |
|------------------------------|-----------|
| RAM .....                    | 4GB DDR4  |
| Storage .....                | 64GB eMMC |
| Usable project storage ..... | 32GB      |

### Audio

|                        |                                                                   |
|------------------------|-------------------------------------------------------------------|
| Speaker output .....   | 2 stereo                                                          |
| Playback format(s)     |                                                                   |
| Container format ..... | WAV (Microsoft RIFF)                                              |
| Encoding .....         | LPCM (uncompressed)                                               |
| Bit depth .....        | Unsigned 8-bit<br>Signed 16-bit<br>Signed 24-bit<br>Signed 32-bit |
| Sampling rate .....    | Up to 192 kHz                                                     |
| Audio channels .....   | Mono or Stereo                                                    |

### Ethernet

|                        |                                                                                                                                                                         |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Connectors .....       | 1 female RJ-45 connector                                                                                                                                                |
| Data rate .....        | 10/100/1000Base-T, half/full duplex with autodetect                                                                                                                     |
| Protocols .....        | DHCP, DNS, HTTP, HTTPS (redirect), ICMP, IEEE 802.1X, IPv4, LLDP, NTP, SFTP, SMTP, SNMP, SSH, SSL, TLS, TCP/IP, UDP/IP                                                  |
| Default settings ..... | Link speed and duplex level = autodetected<br>IP address = 192.168.254.251<br>Subnet mask = 255.255.255.0<br>Default gateway = 0.0.0.0<br>DHCP = off<br>DNS = 127.0.0.1 |

### USB

|                       |                                                                   |
|-----------------------|-------------------------------------------------------------------|
| Quantity/type .....   | 1 high-speed USB 2.0                                              |
| Connectors .....      | 1 USB-C receptacle                                                |
| Standards .....       | USB 2.0, USB 1.1, USB 1.0                                         |
| Max. data rates ..... | Low speed (1.5 Mbps), full speed (12 Mbps), high speed (480 Mbps) |

# Specifications • TLP Pro 835M Series and TLS 835M (Continued)

## Digital input

|                             |                                            |
|-----------------------------|--------------------------------------------|
| Quantity/type.....          | 1 digital input (configurable)             |
| Connectors.....             | (1) 3.5 mm captive screw connector, 2 pole |
| Input voltage range .....   | 0 to 24 VDC, clamped at +30 VDC            |
| Input impedance .....       | ≥10k ohms                                  |
| Programmable pullup .....   | 1k ohms to +5 VDC                          |
| Threshold low to high ..... | 2.8 VDC                                    |
| Threshold high to low ..... | 2.0 VDC                                    |
| Pin configuration .....     | 1 = Digital input, 1 = Gnd                 |

## Sensors

|                     |             |
|---------------------|-------------|
| Motion sensor ..... | On/off      |
| Light sensor .....  | Auto/manual |

## Software

### TLP Pro 835M Series

|                                 |                                                         |
|---------------------------------|---------------------------------------------------------|
| Configuration software .....    | Global Configurator Plus and Professional, GUI Designer |
| Programming software .....      | ControlScript Programing                                |
| Control apps .....              | Extron Control                                          |
| Resource management software .. | GlobalViewer Enterprise                                 |
| Utilities .....                 | Toolbelt, Embedded web page                             |

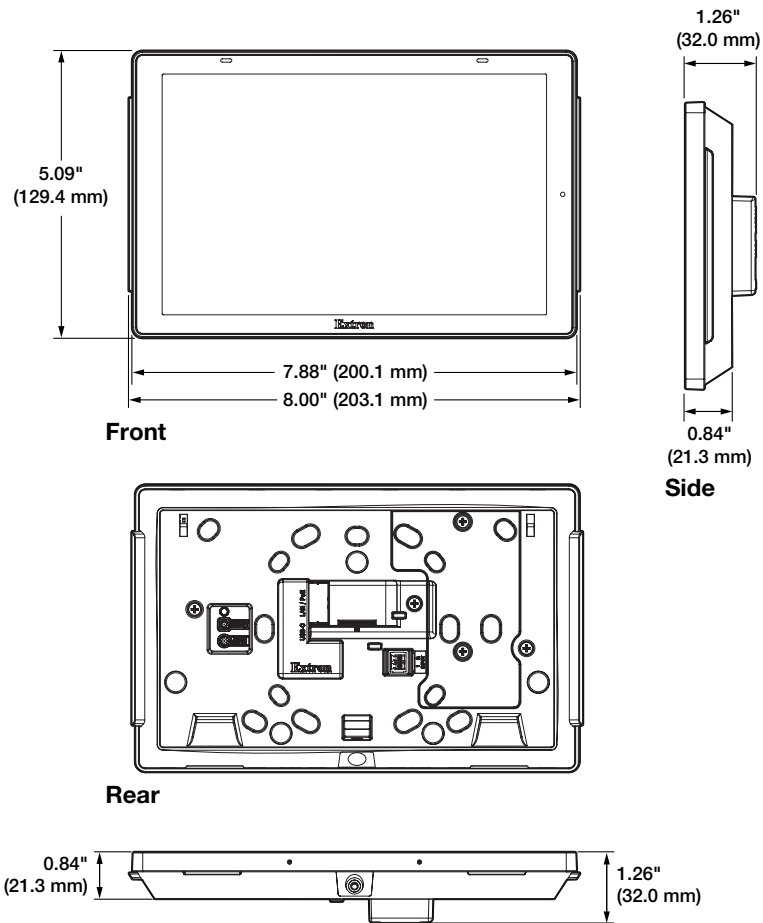
### TLS 835M Series

|                                 |                             |
|---------------------------------|-----------------------------|
| Configuration software .....    | Room Agent                  |
| Resource management software .. | GlobalViewer Enterprise     |
| Utilities .....                 | Toolbelt, Embedded web page |

## General

|                                    |                                                                                                                                           |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Power supply .....                 | Not included                                                                                                                              |
| Power input requirements.....      | 9 VDC 3A (USB-C)<br>or<br>Power over Ethernet (PoE 802.3af, class 3)                                                                      |
| Power consumption — PoE (PI115)    |                                                                                                                                           |
| Device .....                       | 12.3 watts                                                                                                                                |
| Device and power injector.....     | 15.8 watts                                                                                                                                |
| Power consumption — USB-C          |                                                                                                                                           |
| Device .....                       | 9.5 watts                                                                                                                                 |
| Device and power supply .....      | 11.1 watts                                                                                                                                |
| Auxiliary power output             |                                                                                                                                           |
| USB .....                          | 5 VDC, 500 mA                                                                                                                             |
| Thermal dissipation — PoE (PI 115) |                                                                                                                                           |
| Device .....                       | 33.6 BTU/hr                                                                                                                               |
| Device and power injector.....     | 45.5 BTU/hr                                                                                                                               |
| Thermal dissipation — USB-C        |                                                                                                                                           |
| Device .....                       | 32.4 BTU/hr                                                                                                                               |
| Device and power supply .....      | 37.8 BTU/hr                                                                                                                               |
| Ambient temperature/humidity ..... | Storage: -4 to +140 °F (-20 to +60 °C) / 10% to 90%, noncondensing<br>Operating: +32 to +104 °F (0 to +40 °C) / 10% to 90%, noncondensing |
| Cooling.....                       | Convection                                                                                                                                |
| Mounting .....                     | Wall, furniture, or rack                                                                                                                  |
| Enclosure type .....               | Plastic                                                                                                                                   |

# Specifications • TLP Pro 835M Series and TLS 835M (Continued)



|                             |                                                                                                                                  |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Enclosure dimensions.....   | 5.09" H x 8.00" W x 1.26" D<br>129 mm H x 203 mm W x 32.0 mm D<br>Touchpanel projects 0.84" (21.3 mm) from the mounting surface. |
| Product weight .....        | TBD                                                                                                                              |
| Regulatory compliance ..... | CE, C-Tick, c-UL, FCC Class A, ICES, RoHS, UKCA, UL, VCCI, WEEE                                                                  |
| Product warranty.....       | 3 years parts and labor; touchpanel display and overlay components are covered for 1 year                                        |

**NOTE:** All nominal levels are at  $\pm 10\%$ .

**NOTE:** Specifications are subject to change without notice.

**NOTE:** Shipping weights and dimensions are available at [www.extron.com](http://www.extron.com).