

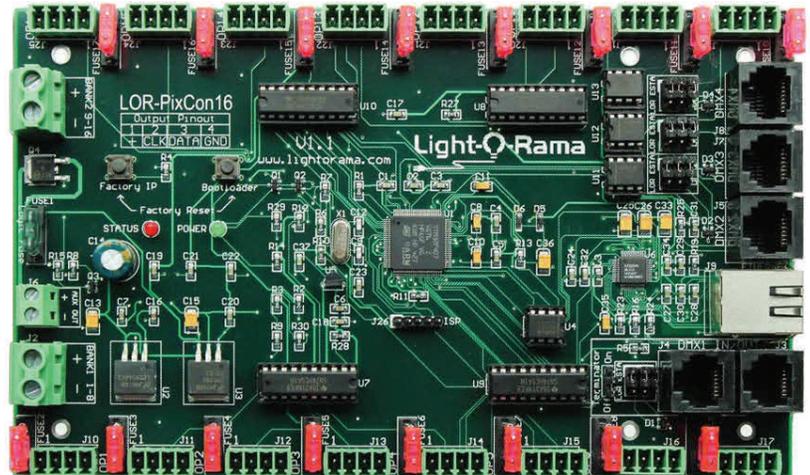
# Light-O-Rama

## PixCon16

## Component Sixteen Channel Pixel String Controller

www.lightorama.com

- Controls strings of individually addressable RGB LEDs
- 16 pixel string output ports
- Up to 340 RGB pixels on an output port
- 4 additional DMX output ports
- Data for pixels supplied via E1.31 or LOR Enhanced Pixel Protocol
- Supports both Multicast and Unicast addressing
- Supports IGMP allowing efficient data packet routing
- RGB pixel ICs supported: TLS3001, SM16716, LPD6803, WS2801, WS2811, WS2812, WS2812B, APA102, APA104, TM180x, MBI6020, INK1003
- All output ports must be configured for the same RGB pixel IC
- Remote temperature and bank voltage monitoring
- Simple setup with LOR Network Preferences Utility
- PWM output for external cooling fan for automatic temperature regulation



**PixCon16 Controller**

The LOR PixCon16 can drive up to 32 strings of 170 RGB pixels in DMX mode or up to 16 strings of 170 pixels in LOR Enhanced Pixel Mode.

Commands to the PixCon16 can be supplied over Ethernet via E1.31 which allows very high speeds for complex shows. Commands may also be supplied over RS485 to permit simpler integration and use of LOR ShowDirectors.

The Light-O-Rama Showtime software is used to design and build Sequences (controller commands that may be choreographed to audio/music.) These user created sequences and/or pre-programmed musical sequences available from LOR and other companies are then arranged into shows.

The ShowTime software has been dramatically enhanced to provide powerful tools and wizards that let you create sophisticated shows with large numbers of RGB pixels.

As with all LOR controllers, this controller may appear in a network with any other LOR controllers. The ShowTime software allows for multiple networks. These capabilities allow the animation of displays requiring high power and/or thousands or even tens of thousands of channels.

### Specifications

Configuration	Two banks of 8 pixel ports Four DMX output ports
Current maximums	4 amps per output port 32 amps total for ports 1-8 32 amps total for ports 9-16 64 amps for entire board
Supply Voltage	5VDC to 30VDC (depends upon pixel strings) board power derived from bank 1
Protection	Fuse per output port TVS on DMX ports
Power Input	Two sets of screw terminals
Pixel string outputs	4-wire plugs (included)
Control In/Out	Ethernet for E1.31 RS485 for Enhanced LOR
Dimensions	8" w x 4 3/4" h x 1" d

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