

#### OVERVIEW:

Extron is leading manufacturer of professional A/V system products for video signal manipulation, Ethernet control interfaces, and high resolution connectors. Along with other add-on products, Extron developed the [IPL M PDP-ES](#) expansion card that is an IP Link® Interface module for Pioneer's industrial (CMX series) plasma display monitor panels. This card, a compact Ethernet controller featuring an integral Web server that enables remote, proactive monitoring, control and troubleshooting, is certified by Pioneer for use in 5<sup>th</sup> generation or later industrial (CMX Series) panels.

The type of businesses currently employing Pioneer industrial panels with the Extron IPL M PDP-ES card are as follows:

- Digital Signage
- Military & Government Facilities
- Businesses that share office resources
- Small Colleges & Trade Schools
- Large Universities & Corporate Facilities



#### TECHNICAL DETAILS:

This compact Ethernet control card enables IP based remote control, proactive monitoring, and troubleshooting for the plasma display. In addition to an RJ-45 Ethernet connector, the IPL M PDP-ES features a 9-pin D-sub serial port that can be configured to pass through Pioneer command codes from an external control system.

The card includes an Integral WEB server with 1.25 MB of flash memory for storing the Global Viewer (Extron's intuitive Microsoft Windows® based configuration and management utility) and any user-customized web pages. GlobalViewer provides a range of A/V asset management functions including scheduled events such as power ON/OFF, proactive maintenance alerts, remote tech support, and theft alerts via e-mail. This application extends the asset management functionality of the IPL M PDP-ES to allow status information for multiple Pioneer plasmas to appear directly in a single GlobalViewer screen along with the data for other IP Link-enabled products.

There are multiple levels of security with password protection: User access level authorizes limited entry to only pre-designated functions while administrator access level permits full access to advanced settings.

The Extron IPL M PDP-ES card for Pioneer industrial plasma panels provides the following support:

- 10/100Base-T, half/full duplex with auto detect
- Preloaded control and scheduling Web pages
- Bi-directional serial port with pass-through
- Supports industry standard Ethernet protocols
- Integral high performance Web server
- Simultaneous multi-user support
- Multiple levels of access with password protection

### **ADDITIONAL INFORMATION:**

For more information on the Extron IPL M PDP-ES expansion card, please contact.

[Extron](http://www.extron.com/) (<http://www.extron.com/>)

(714) 491-1500

For questions not answered here or for other information about the plasma panels, refer to the [Pioneer Electronics](http://www.pioneerelectronics.com) website ([www.pioneerelectronics.com](http://www.pioneerelectronics.com)). For assistance please contact your Pioneer representative or Pioneer Service at (800) 872-4159 or via email [customer.support@PioneerService.com](mailto:customer.support@PioneerService.com)

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