

**Space-saving 1RU design**

**Robust 24 / 7 operation**

**Embedded operating system**

**DVI inputs with cable equalization**

**Full pixel re-clocking for optimal image quality**

**Network control**

**Graphical interface using standard web browser**

**Total EDID Manager for display data control**

**Up to 99 routing presets**

**Up to 99 EDID files stored**

## DIGITAL MATRIX SWITCHING

### Linx DVI 8 x 8 SP

**Digital Switcher - with Total EDID Manager**

The Linx™ is a high-performance non-blocking DVI 8 x 8 matrix routing switcher with eight inputs and eight outputs. All inputs are available to any or all of the outputs.

The Linx delivers pure digital switching and routing of DVI signals. When combined with digital signal sources and digital displays, it allows for fully digital end-to-end signal distribution.

The switcher accepts input signals up to 1920 x 1200 and 1080p, and supports the full 1.65 Gbit/sec DVI standard. In addition to switching picture information, the Linx provides a DDC back channel to carry EDID set-up and display data.

The Linx switcher comes with *Total EDID Manager*™, a straight forward solution for every digital routing configuration. Display identification data can be set to passthrough from the display back to the graphics adapter. Other features include Fixed input EDID, Emulated output EDID, multiple output resolution arbitration and EDID capture.

The Linx family is unique among DVI switchers in providing optimal signal fidelity, correcting jitter and signal distortion errors with pixel reclocking at both the bit and pixel level. RGB Spectrum is the first to offer this capability.

The Linx also offers built-in cable equalization on all inputs to extend cable lengths up to 50 meters without the need for external signal extenders. Up to 2 amps of additional 5 volt power is available for pin-powered devices, obviating the need for external power adapters.

Remote control is via Ethernet and RS-232 serial ports. A built-in web server is accessible from any browser. No special software is required on the user's PC.

The switcher is packaged in a rugged and compact 1RU chassis offering a reliable and space saving solution for challenging environments. Power is supplied via an external in-line module.

Optional remote push button panels are available for both preset and X/Y select.

The Linx switcher provides an unmatched combination of performance, optimized signal quality, robust operation, and ease of use.

## Specifications

### DVI Inputs

|                          |  |
|--------------------------|--|
| Format                   | DVI single link                            |
| Number of input ports    | 8 input channels                           |
| Maximum pixel clock rate | 165 MHz                                    |
| Resolution               | Up to 1920 x 1200 and 2048 x 1080p         |
| Cable equalization       | Automatic or manual; up to 164 feet (50 m) |

### DVI Outputs

|                          |                                      |
|--------------------------|--------------------------------------|
| Format                   | DVI single link                      |
| Number of input ports    | 8 input channels                     |
| Maximum pixel clock rate | 165 MHz                              |
| Resolution               | Up to 1920 x 1200 and 2048 x 1080p   |
| Pin power                | 5 VDC: 500mA per output; 1 Amp total |

### Control

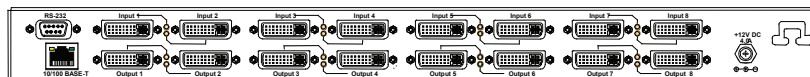
|         |   |
|---------|---|
| Serial  | RS-232; 9600 - 115,200 Baud   |
| Network | Ethernet TCP/IP 10/100 BASE-TX<br>Command line and graphical user interface "WCP" |

### Physical Specifications

|            |  |
|------------|--|
| Dimensions | 1.75" (H) x 17.25" (W) x 12.5" (D)<br>4.4 cm (H) x 43.8 cm (W) x 31.8 cm (D) |
| Weight     | Approximately 13 lbs (5.8 kg)  |
| Rackmount  | Rackmount kit included   |

### Power Supply

|                     |  |
|---------------------|--|
| Input voltage range | 90 - 264 VAC, 47 - 63 Hz   |
| Output              | 12 VDC   |
| Power consumption   | Less than 50 W   |
| Dimensions          | 1.6" (H) x 2.0" (W) x 2.9" (L)<br>4.1 cm (H) x 5.1 cm (W) x 7.4 cm (L) |
| Approvals           | UL/cUL/TUV/CE<br>UL listed medical applications<br>ROHS compliant      |



For preset or X/Y select remote control, see our BP-16 button panel.