

DIGITAL MATRIX SWITCHING

Linx DVI 8 x 8 SP

Digital Switcher - with Total EDID Manager

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

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

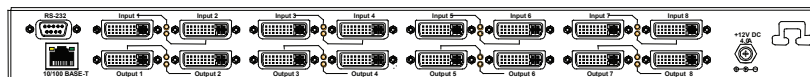
Serial	RS-232; 9600 - 115,200 Baud
Network	Ethernet TCP/IP 10/100 BASE-TX Command line and graphical user interface "WCP"

Physical Specifications

Dimensions	1.75" (H) x 17.25" (W) x 12.5" (D) 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) 4.1 cm (H) x 5.1 cm (W) x 7.4 cm (L)
Approvals	UL/cUL/TUV/CE UL listed medical applications ROHS compliant



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