MODULAR CROSS ✖ FORMAT SWITCHERS

RGB & DVI/HDMI Input ➔ DVI/HDMI Output With HDCP

Linx Cross ✖ Format 900, 1700, 3300
One Switcher for DVI & RGB Sources

The Linx™ family of Cross ✖ Format switchers provides the optimal solution for environments with both DVI and analog RGB sources. They are perfect for the facility transitioning from analog to DVI, or requires continuing use of specialized equipment with analog RGB output.

Incorporating RGB Spectrum's breakthrough Cross ✖ Format architecture, these switchers support DVI, HDMI, RGB or component signals on every input. Unlike other companies' solutions that offer two separate switchers housed in a single enclosure, Linx switchers are truly integrated systems. Analog RGB inputs are internally converted, processed through the switcher, and output as DVI signals.

Cross ✖ Format switchers are available in three frame sizes from 8 x 8 to 32 x 32. Standard configurations are available in each size; custom configurations are also available. With a highly modular two-channel per I/O card architecture, units are field upgradeable and serviceable.

Linx switchers support pixel clock rates from 25MHz to 165MHz including 1920 x 1200, 2048 x 1152 and 1080p resolution signals. DVI dual-link is available as an option, supporting pixel clock rates up to 330MHz. Each input card can support one DVI dual-link or two DVI single-link or analog RGB channels. Output cards can support a single DVI dual-link or two single-link channels.

EDID management and control are simplified with RGB Spectrum's Total EDID Manager™, which provides the user the most complete set of EDID management tools available, including fixed, emulated and pass-through of EDI D. EDID and configuration files can be exchanged between the switcher and a PC.

HDMI compliance includes HDMI audio and High Definition Copy Protection (HDCP). HDCP support allows Linx switchers to accommodate content-protected DVI and HDMI signals. An HDCP encoded signal can be routed to all outputs simultaneously, subject to source device limitations.

All Linx family switchers are designed with simplified system integration in mind. Functions are easily controlled using a command line interface or graphically via a standard web browser. Front panel controls on models 1700 and 3300 provide quick access to call up presets or create routing assignments. Built-in cable equalization extends input cable lengths without the need for external signal extenders. Each output connector can supply up to 500mA of power for pinpowered devices, obviating the need for external power supplies for fiber-optic or CAT-X extenders.

All units feature user-swappable power supplies. The model 3300 supports dual redundant power supplies and is available in two enclosure sizes to accomodate different rack mounting requirement s.

Built on RGB Spectrum's long tradition of quality and reliability, the Linx 900, 1700 and 3300 are designed for 24/7 operation and are ideally suited for mission critical applications.

DVI, analog RGB and component video inputs

DVI dual-link option

All DVI outputs

HDMI™ compliant

Full HDCP support

HDMI audio pass-through

Robust 24/7 operation

Cable equalization up to 50m

Up to 500mA pin-power per output

Pixel reclocking for optimal image quality

Front panel and network control

Graphical user interface via web browser

EDID pass through and override with _Total EDID Manager_ô

User swappable power supplies

100 switcher presets

KVM option (see http://rgb.com/ products/Multipointkvm/?c=n)

Coming soon: 3G HD-SDI input

XtendView FiberDVI Fiber Optic Extender rgb.com/products/ Fiberdvi/?c=n

MultiPoint KvM Option See http://rgb.com/ products/ Multipointkvm/?c=n

BP-16 remote control panel for presets or X/Y select

Specifications

Inputs

	DVI/HDMI	Dual-Link DVI (option)	Analog RGB
Module format	2 channel	1 dual-link or 2 single-link channels	2 channel
Signal type	DVI Single-Link	DVI single-link or dual-link	3, 4, 5 wire progressive; 3, 4 wire 1080 interlaced
Clock rate	Up to 165 MHz	Up to 330 MHz	Up to 165 MHz
Resolution	Up to 1920x1200, 2048x1152 and 1080p	Up to 1923840x2400	Up to 1920x1200, 2048x1152 and 1080p
Connectors	DVI-I HDMI (requires adapter)	DVI-I HDMI (requires adapter)	DVI-I
Cable equalization	Automatic/manual to 164 ft (50m)	Automatic/manual to 164 ft (50m)	N/A

Outputs

Module format	2 channel	1 dual-link or 2 single-link channels	N/A
Signal type	DVI single-link	DVI single-link or dual-link	N/A
Clock rate	Up to 165 MHz	Up to 330 MHz	N/A
Connectors	DVI-I (digital only)	DVI-I (digital only)	N/A
DVI 5V p ower	500mA per channel	500mA	N/A

Control

Serial	RS-232 9600 - 115,200 baud
Network	Ethernet TCP/IP 100/1000 BASE- T; Command line and graphical user interface "WCP" (Linx 3200)

Audio

Digital audio pass-through Supports stereo audio, 5.1, 7.1 embedded in the video stream

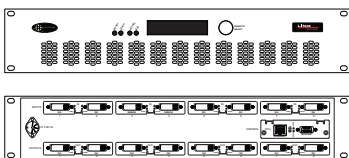| Order #	Linx 900 LX 900 8x 8	Linx 1700 LX 1700 16 x 16	Linx 3300 LX 3300 32 x 32

Physical

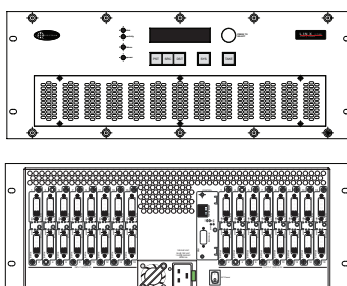|			
Input/output (max)	8x8	16x16	32x32
Standard configurations	4x4, 4x8, 8x4, 8x8	8x8, 8x16, 12x8, 16x8, 16x16	16x16, 24x16, 24x24, 32x16, 32x24, 32x32
Size (H x W x L)	3.5" x 19" x 16" 8.9 x 48.3 x 40.7 cm	7" x 19"x 16" 17.8 x 48.3 x 40.7 cm	10.5" x 19" x 22" (Model 3200) 26.7 x 48.3 x 55.9 cm or 12.25" x 19" x 17.5" (Model 3200SF) 31.1 x 48.3 x 44.5 cm
Weight	20 lbs/9 kg	36lbs/14 kg	57 lbs/25.9 kg
Air filter	N/A	Washable foam filter; pore density 25 ppi	Washable foam filter; pore density 25 ppi

Power Specifications

Power	12 VDC	100-240 VAC; 50/60 Hz	100-240 VAC; 50/60 Hz
Power consumption	<100W	<230W	<430W
Including pin power	<130W	<295W	<555W
Power supply	External AC power with locking plug 100-240 VAC; 50/60 Hz	User swappable	Dual redundant; hot swappable

Linx 900

Linx 1700

Linx 3300