



MULTI-FORMAT SWITCHER WITH SCALING

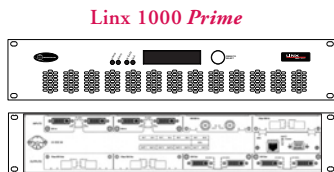


Linx Prime

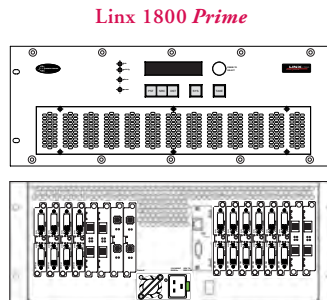
Modular Switchers

- Scaled output from any source**
- Seamless switching**
- Pan and zoom**
- DVI / RGB / YPbPr input**
- HD / 3G-SDI input**
- Fiber I/O option**
- HDMI compliant with audio pass through**
- Cable EQ up to 50M**
- Pin power on outputs**
- User-swappable I/O cards and power supplies**
- Built in browser-based web control panel**
- Total EDID Manager™**
- Composite input via converter**
- RGB output via converter**

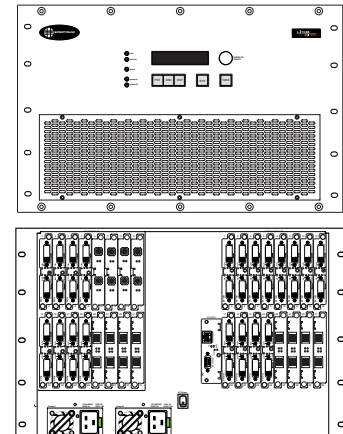
- XtendView FiberDVI Fiber Optic Extender
- Total EDID Manager
- MultiPoint KvM
- Composite Input
- RGB Output



Linx 1000 Prime



Linx 1800 Prime



Linx 3400 Prime

Linx™ Prime switchers have all the features of standard CrossXFormat™ switchers and support a user-selected mix of modular input and output card types for unprecedented flexibility and power, including HD-SDI, dual-link DVI, and fiber I/O, plus scaling and seamless switching.

Linx Prime switchers are available in 3 frame sizes to suit many different system criteria. Choose an 8x8, 16x16 or 32x32 chassis and load it with any mix of four modular input card types and three modular output types. Because Linx Prime is customizable and scalable, it has the flexibility to adapt as your system evolves, allowing you to add or substitute cards as requirements change.

DVI / HDMI Input: The 2-channel DVI input card supports the full range of DVI single-link signals up to 165 MHz and is HDCP compliant.

DVI / HDMI + RGB Input: 2-channel DVI/RGB input cards support DVI and analog RGB signals in resolutions up to 1920x1200, 2048x1152 and 1080p. A DVI dual-link option supports resolutions to 3840x2400.

HD/3G-SDI Input: 2-channel HD/3G-SDI input cards accept video from cameras and other devices. HD-SDI signals to 1080i and 720p and 3G-SDI signals to 1080p are supported. The signals are converted to DVI prior to output, allowing display via cost-effective DVI/HDMI monitors.

Fiber-DVI Input and Output: Linx FiberDVI input/output cards enable optical network support for DVI video signals. External fiber DVI converters for transmitting signals to and receiving signals from the switcher are highly miniaturized and fit entirely within DVI headshell connectors. A single strand of multi-mode fiber carries video, EDID and HDCP signals up to 1650 ft. (500 m).

DVI Output: The DVI output card provides 2 channels of DVI single-link or 1 channel of DVI dual-link video and is HDCP compliant.

DVI Output with Scaling: Each 2-channel output card offers image scaling with HDCP compliance. Upscaling and downscaling offer seamless switching, panned and zoomed images, and useable timings for inputs that could otherwise be too low for DVI displays. A single channel dual-link option is available.

HDMI Support: HDCP support allows Linx Prime switchers to accommodate content-protected DVI and HDMI signals, including audio pass-through, on all DVI channels. An HDCP-encoded signal can be routed to any or all HDCP-compliant outputs simultaneously, subject to source device limitations.

Dual Link Option: Dual-link I/O is available using DVI/RGB input cards.

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 1800 and 3400 provide quick access to call up presets or create routing assignments. Each output connector can supply up to 500mA for pin-powered devices, obviating the need for external power supplies for CAT-X and fiber extenders.



All Models

Input Cards

	DVI/HDMI	DVI/HDMI + RGB Analog	HD/3G-SDI	Fiber DVI
Module Format	2-channel	2-channel or 1 Dual-link (option)	2-channel	2-channel
Signal Type	Single-link DVI	Single-link DVI, Dual-link DVI (DL option), RGBHV, YP _b P _r	HD-SDI, 3G-SDI	Embedded TMDS and bi-directional DDC/EDID/HDCP
Pixel Clock Rate	Up to 165 MHz	Up to 165 MHz Up to 330 MHz (DL option)	Up to 165 MHz	Up to 165MHz
Resolutions	Up to 1920x1200, 2048x1152 and 1080p	Up to 1920x1200, 2048x1152 and 1080p Up to 2560x1600 and 3840x2400 (DL option)	3G: 1080p60 HD: 1080p30, 29, 24, 23 1080i30, 29, 25 720p60, 59, 50	Up to 1920x1200, 2048x1152 and 1080p
Connectors	DVI-I HDMI (with adapter)	DVI-I HDMI (with adapter)	BNC	Fiber SC
Cable Equalization	Yes	Yes (DVI)	Yes	N.A.
Max Cable Length	Up to 164 ft. (50m)	Up to 164 ft. (50m) RGBHV: up to 100 ft. with high-quality cable	HD: 650 ft. (200m) 3G: 390 ft. (120m)	Up to 1640 ft. (500m) single strand, 50µm multimode fiber

Output Cards

	DVI/HDMI	DVI with scaler	DVI (Dual-link option)	Fiber DVI
Module Format	2-channel	2-channel	1-channel	2-channel
Signal Type	Single-link DVI Dual-Link DVI-single channel (DL option)	DVI Single-link	DVI Dual-link	DVI Single-link
Pixel Clock Rate	Up to 165 MHz	25 MHz to 165 MHz	Up to 330 MHz	Up to 165 MHz
Resolutions	Up to 1920x1200, 2048x1152 and 1080p Up to 2560x1600 and 3840x2400 (DL option)	640x480 to 2048x1152 and 1080p	Up to 3840x2400	Up to 1920x1200, 2048x1152 and 1080p
Connectors	DVI-I HDMI (with adapter)	DVI-I HDMI (with adapter)	DVI-I	Fiber SC
Pin Power	500mA per channel	500mA per channel	500mA	None

Linx 1000 Prime

Linx 1800 Prime

Linx 3400 Prime

Physical

Input/Output (Max)	8x8	16x16	32x32
Size (H x W x D)	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	12.25" x 19" x 17.5" 31.1 x 48.3 x 44.5 cm
Weight	20 lbs/9.1 Kg	30 lbs/13.6 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	100-240 VAC; 50/60 Hz	100-240 VAC; 50/60 Hz	100-240 VAC; 50/60 Hz
Power Consumption	100W	230W	430W
Including Pin Power	130W	295W	555W
Max with Scaler	140W (without pin power)	375W	715W
Power Supply	External w/locking plug	User swappable	Dual redundant; hot swappable

Control

Serial	RS-232 9600 - 115,200 baud
Network	Ethernet TCP/IP 10/100/1000 BASE-T Command line and graphical user interface "Web Control Panel"

Audio

Digital Audio Pass-through - Supports stereo audio, 5.1, 7.1 with HDMI sources and sinks

External Adapters

- Inputs - Composite/S-Video to HDMI scaler/converter with audio embedding
- Outputs - DVI to RGB converter