

COMMERCIAL ULTRA MINI-MATRIX

Bring every source into view with Multiview layouts and intuitive multi-system control.



HSL's Ultra Mini-Matrix brings together the convenience of a KVM switch with the power of a multiviewer, enabling users to view and operate several computers at once using one or two display screens. It delivers

smooth switching, flexible Multiview layouts, and integrated audio support—making multi-system work effortless and efficient.

PRODUCT HIGHLIGHTS

KVM Switching

- > The Ultra Mini-Matrix can display and control multiple computer sources using a single set of peripherals. (displays, keyboard, mouse, audio, and USB)

Dynamic Control

- > Display and interact with multiple sources simultaneously on single or dual displays.

Seamless Mouse Switching

- > Switch between sources by simply dragging the mouse cursor across the border. The keyboard and USB peripherals will follow the mouse.

Multiview Support

- > View multiple sources on a single display using preset layouts, including Full-screen, Tile View, Scale View, and Picture-in-Picture.

Dual monitor 4K Support

- > The Ultra Mini-Matrix supports display resolutions up to 4K (3840x2160) at 30Hz.

Keyboard Hotkeys

- > Quickly switch viewing modes, mouse navigation modes, and other functions using simple, intuitive key combinations.

On-Screen Display Configuration

- > Configure the video, channel, audio, and USB settings at any time using the On-Screen Display.

Dual Combo DisplayPort and HDMI Connectors

- > Connect either DisplayPort or HDMI sources into the same port without adapters or converters.

Remote Control Support

- > Connect a dedicated remote control for intuitive channel and Multiview layout selection.



SX42PHU-NX

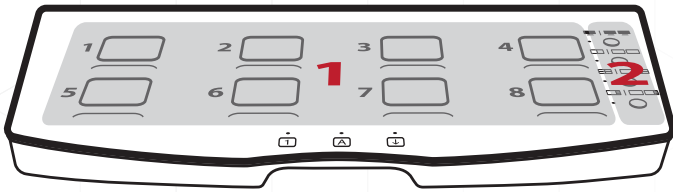
SX82PHU-NX

PART NUMBER	SX42PHU-NX	SX82PHU-NX
Number of Sources	4	8
CONSOLE PORTS		
Displays	2x HDMI Connectors	2x Combo DP and HDMI Connectors
Max Output Resolution	4K (3840x2160) at 30Hz	
Mouse and Keyboard	2x USB 2.0 Type A	2x USB 2.0 Type A
Additional USB Ports	4x USB 3.0 Type A	1x USB 2.0 Type A
Audio Output	3.5mm Jack	3.5mm Jack
Audio Input	3.5mm Jack	NA
Remote Control Port	RJ14 Female	RJ14 Female
COMPUTER PORTS		
Displays	4x Combo DP and HDMI Connectors	8x Combo DP and HDMI Connectors
Max Input Resolution	4K (3840x2160) at 30 Hz	
Mouse and Keyboard	1x USB 2.0 Type B	1x USB 2.0 Type B
USB Port	1x USB 3.0 Type B	1x USB 2.0 Type B
Audio Output	3.5mm Jack	3.5mm Jack
Audio Input	3.5mm Jack	NA
Additional USB Ports	1x USB 3.0 Type B	1x USB 2.0 Type B
PHYSICAL		
Dimensions	342x148x42mm / 13.4x5.8x1.6 in	439x250x58 mm / 17.3x9.8x2.3 in
Weight	1.6 kg / 3.5 lb	3.7 kg / 8.1 lb
POWER		
Power Requirements	100-240V AC, 1.2A	100-240V AC, 2.1A
ENVIRONMENTAL		
Operating Temperature	0°C to 40°C / 32°F to 104°F	
Storage Temperature	-20°C to 60°C / -4°F to 140°F	
Humidity	0%-80% RH, non-condensing	
SOFTWARE		
Supported OS	Windows, Linux, Mac	

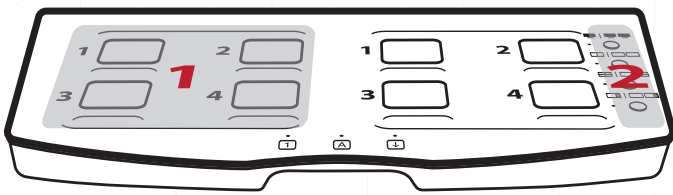
ORDERING INFORMATION

MODEL	P/N	DESCRIPTION	PACKAGE CONTENTS
SX42PHU-NX	CPN33181	Commercial 4-Port Ultra Mini-Matrix	Commercial 4-Port Ultra Mini-Matrix Extender Power Cable 1.8m Adapter Kit RS-232 Cable (RJ14)
SX82PHU-NX	CPN33185	Commercial 8-Port Ultra Mini-Matrix	Commercial 8-Port Ultra Mini-Matrix Extender Power Cable 1.8m Adapter Kit Rack Mount Kit 8-Port Remote Control HSL Matrix AFP Splitter USB HID filter without locking teeth HSL Secure Keyboard RS-232 Cable (RJ14)
WR40-4X	CPN38041	4-Port Ultra Mini-Matrix Remote Control	4-Port RCU RJ14 Cable
WR80-4X	CPN38043	8-Port Ultra Mini-Matrix Remote Control	8-Port RCU RJ14 Cable

REMOTE CONTROL & MULTIVIEW LAYOUT PRESETS



4-PORT REMOTE CONTROL - WR40-4X



8-PORT REMOTE CONTROL - WR80-4X

1 INPUT SOURCE SELECTION BUTTONS

Dedicated button groups provide direct source selection.

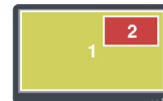
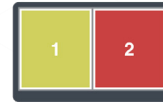
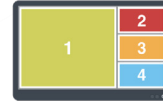
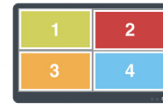
4-Port Model: Supports independent source selection per view or display, depending on the operating mode.

8-Port Model: Provides access to all eight sources, with optional cascaded remotes for independent dual-display control.

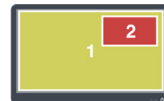
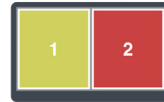
2 MULTIVIEW LAYOUT PRESET SELECTION BUTTONS (4-PORT AND 8-PORT MODELS)

Provides direct access to predefined display layouts for efficient and consistent visualization.

4-Ports



8-Ports



Tile Mode

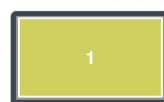
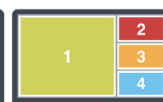
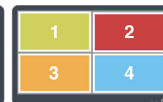
Scale Mode

Matrix Mode

Full Screen Mode

Picture in Picture

4-Ports



8-Ports

