

NEOUS COMMERCIAL FIBER IP MATRIX ENDPOINTS

DATA SHEET



SVFX01PHR-N

HSL's Neous Commercial IP Matrix is a scalable Video and KVM-over-IP solution designed to connect multiple users with multiple remote sources across a flexible, many-to-many network architecture.

Neous enables real-time switching, centralized access management, and seamless expansion to support evolving operational requirements. Dedicated Transmitter and Receiver Endpoints enable efficient

distribution of video, KVM, audio input/output, and USB 2.0 data across the matrix, making the solution ideal for operations centers and other professional environments that require flexible remote access and collaboration.

KEY FEATURES

KVM Over IP Extension

- > IP Matrix Endpoints operate on a closed network that enables access from any workstation to any permitted source computer.

Fiber Ethernet Connection

- > Fiber Endpoints have a range of up to 10km.

4K UHD Support

- > Commercial IP Matrix Endpoints can stream video at 4K resolution up to 60Hz, with zero latency.

On-Screen Display

- > IP Matrix Receiver Endpoints feature an on-screen display that enables users to connect to available sources per the permissions managed by the Matrix Controller.

RS-232 Support

- > IP Matrix Receiver Endpoints can extend remote control commands sent via RS-232 to devices connected to Transmitter Endpoints.

USB 2.0 Support

- > Commercial IP Matrix Endpoints can extend USB 2.0 devices such as webcams.

Dual Combo DP/HDMI Connectors

- > Connect either DisplayPort or HDMI sources into the same port using HSL's dual-source video connector, without any need for adapters or converters.

Audio Support

- > Commercial Neous endpoints feature a 3.5mm analog audio input/output port, enabling the user to connect a headset with a 4-Pole Jack.



SVFX10PHT-N

Model Number	SKFX10PHT-N		SKFX01PHR-N		SVFX10PHT-N		SVFX01PHR-N	
Endpoint Pair	Commercial Fiber KVM IP Matrix Transmitter		Commercial Fiber KVM IP Matrix Receiver		Commercial Fiber Video IP Matrix Transmitter		Commercial Fiber Video IP Matrix Receiver	
No. Of Sources					1			
Extension Type					LC Single Mode Fiber			
Link Port					10Gbps			
Extension Length					10km			
Video Port					DP / HDMI			
Max Resolution					UHD 4k up to 3840x2160 60Hz			
Mouse and Keyboard	1xUSB Type B		2xUSB Type A		No		No	
Audio Port					3.5mm Jack			
USB 2.0 Port	USB Type B		USB Type A		No		No	
RS-232 Port	3-Pin Serial Block		4-Pin Serial Block		3-Pin Serial Block		4-Pin Serial Block	
IR Port	IR Output		IR Input		IR Output		IR Input	
Physical								
Dimensions					140x210x28mm / 5.5x8.3x1.1in			
Weight					1.3kg / 2.8lb			
Power								
Power Supply Type					External			
Adapter AC Input					100V AC to 240V AC			
Adapter Power Output					12V DC			
Max Power Consumption					13.5W			
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, MacOS, Linux			
General Info								
Manufactured					TAA / BAA Compliant			
Product Lifecycle					10 Years			
Product Warranty					2 Years			

ORDERING INFORMATION

MODEL NUMBER	PRODUCT NUMBER	COMPONENT	QTY
SKFX10PHT-N	CPN35106	Commercial Fiber IP KVM Matrix Transmitter	1
		Wall-Mounted 12V DC Power Supply	1
SKFX01PHR-N	CPN35107	Commercial Fiber KVM IP Matrix Receiver	1
		PWR DP/HDMI Retention Kit	1
		Wall-Mounted 12V DC Power Supply	1
SVFX10PHT-N	CPN36649	Commercial Fiber Video IP Matrix Receiver	1
		Wall-Mounted 12V DC Power Supply	1
SVFX01PHR-N	CPN36650	Commercial Fiber Video IP Matrix Receiver	1
		PWR DP/HDMI Retention Kit	1
		Wall-Mounted 12V DC Power Supply	1