

NEOUS COMMERCIAL COPPER IP MATRIX ENDPOINTS

DATA SHEET



SKCX01PHR-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.

Copper Ethernet Connection

- > Copper Endpoints have a range of up to 100m

PoE Support

- > Select models support power over Ethernet (PoE) as a primary power source, with an optional redundant external power source.

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 Transmitters (per the permissions managed by the Controller), load Presets, restart the Transmitter or Receiver, adjust the on-screen Title settings, and view device information.

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.



SKCX10PHT-N

SPECIFICATION

SKCX10PHT-N • SKCX01PHR-N • SKCX10PHT-NE • SKCX01PHR-NE
SVCX10PHT-N • SVCX01PHR-N • SVCX10PHT-NE • SVCX01PHR-NE

MODEL NUMBER	SKCX10PHT-N / SKCX01PHR-N	SVCX10PHT-N / SVCX01PHR-N	SKCX10PHT-NE / SKCX01PHR-NE	SVCX10PHT-NE / SVCX01PHR-NE
Endpoint Pair	Commercial Copper KVM IP Endpoints	Commercial Copper Video IP Matrix Endpoints	Commercial Copper KVM IP Matrix Endpoints with PoE	Commercial Copper Video IP Matrix Endpoints with PoE
No. Of Sources			1	
Extension Type			Copper	
Link Port			RJ45	
Extension Length			100m	
ENCODER UNIT				
Transmitter Model	SKCX10PHT-N	SVCX10PHT-N	SKCX10PHT-NE	SVCX10PHT-NE
Video Port			DP / HDMI	
Max Resolution			UHD 4K up to 3840x2160 60Hz	
Mouse and Keyboard	1xUSB Type B	No	1xUSB Type B	No
Audio Port			3.5mm Jack	
USB 2.0 Port	USB Type A	No	USB Type A	No
RS-232 Port			3-Pin Serial Block	
DECODER UNIT				
Receiver Model	SKCX01PHR-N	SVCX01PHR-N	SKCX01PHR-NE	SVCX01PHR-NE
Video Port			DP / HDMI	
Max Resolution			UHD 4k up to 3840x2160 60Hz	
Mouse and Keyboard	2xUSB Type A	No	2xUSB Type A	No
Audio Port			3.5mm Jack	
USB 2.0 Port	USB Type A	No	USB Type A	No
RS-232 Port			4-Pin Serial Block	
PHYSICAL				
Dimensions			140x210x28mm / 5.5x8.3x1.1in	
Weight			1.3kg / 2.8lb	
POWER				
Power Supply Type	External	External	External or PoE	External or PoE
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
SKCX10PHT-N	CPN35104	Commercial Copper KVM IP Matrix Transmitter Wall-Mounted 12V DC Power Supply	1 1
SKCX01PHR-N	CPN35105	Commercial Copper KVM IP Matrix Receiver PWR DP/HDMI Retention Kit Wall-Mounted 12V DC Power Supply	1 1 1
SVCX10PHT-N	CPN36651	Commercial Copper Video IP Matrix Transmitter Wall-Mounted 12V DC Power Supply	1 1
SVCX01PHR-N	CPN36652	Commercial Copper Video IP Matrix Receiver Wall-Mounted 12V DC Power Supply	1 1
SKCX10PHT-NE	CPN36743	Commercial Copper KVM IP Matrix Transmitter with PoE Wall-Mounted 12V DC Power Supply	1 1
SKCX01PHR-NE	CPN36744	Commercial Copper KVM IP Matrix Receiver with PoE PWR DP/HDMI Retention Kit Wall-Mounted 12V DC Power Supply	1 1 1
SVCX10PHT-NE	CPN36745	Commercial Copper Video IP Matrix Transmitter with PoE Wall-Mounted 12V DC Power Supply	1 1
SVCX01PHR-NE	CPN36746	Commercial Copper Video IP Matrix Receiver with PoE Wall-Mounted 12V DC Power Supply	1 1