

# 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<br>Wall-Mounted 12V DC Power Supply                                    | 1<br>1      |
| SKCX01PHR-N  | CPN35105       | Commercial Copper KVM IP Matrix Receiver<br>PWR DP/HDMI Retention Kit<br>Wall-Mounted 12V DC Power Supply          | 1<br>1<br>1 |
| SVCX10PHT-N  | CPN36651       | Commercial Copper Video IP Matrix Transmitter<br>Wall-Mounted 12V DC Power Supply                                  | 1<br>1      |
| SVCX01PHR-N  | CPN36652       | Commercial Copper Video IP Matrix Receiver<br>Wall-Mounted 12V DC Power Supply                                     | 1<br>1      |
| SKCX10PHT-NE | CPN36743       | Commercial Copper KVM IP Matrix Transmitter with PoE<br>Wall-Mounted 12V DC Power Supply                           | 1<br>1      |
| SKCX01PHR-NE | CPN36744       | Commercial Copper KVM IP Matrix Receiver with PoE<br>PWR DP/HDMI Retention Kit<br>Wall-Mounted 12V DC Power Supply | 1<br>1<br>1 |
| SVCX10PHT-NE | CPN36745       | Commercial Copper Video IP Matrix Transmitter with PoE<br>Wall-Mounted 12V DC Power Supply                         | 1<br>1      |
| SVCX01PHR-NE | CPN36746       | Commercial Copper Video IP Matrix Receiver with PoE<br>Wall-Mounted 12V DC Power Supply                            | 1<br>1      |