USB-SW-400

4-input USB 3.2 Data Matrix Switcher

- *Full matrix USB 3.2 data switcher*
- *Four USB-C® host ports and six device USB ports*
- *Supports 10 Gbps SuperSpeed+ USB 3.2 data*
- *Automatic and priority USB routing*
- *Mouse-based and keyboard shortcut host switching*
- *Dedicated HID ports with keep alive emulation*
- *Simple operation with front panel control or web interface*
- *Integration with Rest API, SIMPL, SIMPL#Pro*
- *Enterprise-grade security encryption protects privacy and ensures compliance with IT policies*
- *XiO Cloud® service support for remote provisioning and management*
- *Compact surface-mountable design*

The USB-SW-400 4-input USB 3.2 Data Matrix Switcher provides a plug-and-play, point-to-point solution for quickly connecting and sharing USB devices. An array of switching options offer maximum flexibility for any application.

- **Bring Your Own Meeting (BYOM)**: Add BYOM capability to your meeting space with the USB-SW-400. Share USB peripherals such as cameras, microphones, and soundbars between the room's PC and your laptop.
- **Connect Multiple UC Platforms**: Connect multiple UC platforms to the USB-SW-400 and share USB room peripherals between them.
- **Command and Control**: Control up to four computers with the same set of USB peripherals. Utilize built-in hotkey shortcuts, mouse pointer switching, and keep alive emulation for seamless transitions.

Host and Device Ports

The USB-SW-400's four USB-C host ports, and two USB-A and two USB-C device ports support USB 3.2 Gen 2 data transfer up to 10 GBps. Two dedicated HID USB-A ports support USB 2.0 data transfer of up to 480 MBps. These dedicated HID ports are routed together and enable hotkey and mouse cursor switching.

NOTE: The USB-C 3.2 Gen 2 data connectors do not support DisplayPort™ Video (DP Alt Mode) or Power Delivery (PD).

Keep Alive Emulation

With Keep Alive emulation, the dedicated HID ports ensure seamless switching between host devices by constantly mimicking mouse and keyboard communications within the switcher. This emulation also ensures reliable communication between devices and the USB-SW-400.

Matrix Switching

Easily route USB data from the six device USB ports to four host devices. Device USB ports can also be locked to dedicated hosts or configured through programming. Selection push buttons on the front panel of the USB-SW-400 allow the desired routes to be selected manually.

Switching with Peripherals

Connecting a mouse and keyboard to the dedicated HID ports enables additional switching behavior. With a keyboard, customizable keystrokes can be used to switch some or all peripherals to the desired host device. With a mouse, automatically switch to the next host device by moving the cursor over to that host device's display.

Automatic Switching with Priority Routing

Automatic switching among the USB ports can occur based on the last connected device or on the routing priority assigned to each port. Switching behavior is configurable using the web interface or the XiO Cloud® service and is programmable using a Crestron control system.

Enterprise-Grade Security

The USB-SW-400 is an enterprise-grade solution that can be deployed across hundreds of spaces and set up easily using just a web browser, the front panel, or the XiO Cloud service. Employing standard network security protocols such as 802.1x network access control, Active Directory® authentication, SSH, SSL, and secure CIP, the USB-SW-400 protects privacy and ensures compliance with your organization's IT policies.

XiO Cloud® Provisioning and Management Service

The USB-SW-400 is compatible with the XiO Cloud service, which enables installers and IT managers to easily deploy and manage thousands of devices. The XiO Cloud service allows for system alerts and network management and provisioning.

For more information, visit www.crestron.com/xiocloud.

Specifications

Connectors

> **NOTE**: This device uses two tiers of USB.

HOST 1-4	(4) USB-C 3.2 Gen 2 data connectors
DEVICE 1-4	(2) USB-C 3.2 Gen 2 data connectors; Provides 15 W total power over USB between ports (2) USB-A 3.2 data connectors; Provides 4.5 W total power over USB between ports

> **NOTE**: The USB-C 3.2 Gen 2 data connectors do not support DisplayPort™ Video (DP Alt Mode) or Power Delivery (PD).

DEVICES HID	(2) USB-A 2.0 connectors; USB 2.0/1.1 port for keyboard and mouse; Provides 2.5 W total power over USB between ports
LAN	(1) 8-pin RJ-45 connector; 100Base-TX/1000Base-T Ethernet port
24V 4A	(1) DC power connector; 24VDC power input
INPUT	(2) 3-pin 3.5 mm detachable terminal blocks; Programmable digital I/O connectors; By default, a button press trigger routes all unlocked USB devices to that host
SERVICE	(1) USB-A 2.0 connector; Enabled in the web configuration

Controls and Indicators

PWR	(1) Multicolor LED, indicates operating power supplied
SETUP	(1) LED; (1) Push button for unit restore
AUTO	(1) LED; (1) Push button for selecting auto-switching mode
HOST 1-4	(4) LEDs; (4) Push buttons for manual routing

Power

Power Pack	4A @ 24VDC; Model: PW-2440RU
Power Consumption	47 W

Environmental

Temperature	32° to 104° F (0° to 40° C)
Humidity	10% to 95% RH (non-condensing)

Construction

Mounting	Freestanding or surface mount
Chassis	Metal, black finish

Dimensions

Height	1.12 in. (28 mm)
Width	8.36 in. (212 mm)
Depth	5.04 in. (128 mm)

Weight

1.4 lb (.63 kg)

Compliance

Regulatory Model: M202208001
FCC Part 15 Class B, IC Class B, CE, Intertek® Listed for US and Canada

Models

USB-SW-200
2-input USB 3.2 Data Matrix Switcher

USB-SW-400
4-input USB 3.2 Data Matrix Switcher

Available Accessories

For a list of available accessories, visit the USB-SW-400 product page.

USB-SW-400

4-input USB 3.2 Data Matrix Switcher

This product may be purchased from select authorized Crestron dealers and distributors. To find a dealer or distributor, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/How-To-Buy/Find-a-Representative or by calling 855-263-8754.

This product is covered under the Crestron standard limited warranty. Refer to www.crestron.com/warranty for full details.

The specific patents that cover Crestron products are listed online at patents.crestron.com.

Certain Crestron products contain open source software. For specific information, please visit www.crestron.com/opensource.

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Specifications are subject to change without notice.

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Rev 03/07/24

DEVICE
LAN
24V 4.0A
G
HOST

1 2 3 4 1 2 3 4 HID HID

Amphenol

8.36 in.
(212 mm)

G 24V 4.0A LAN HID HID 4 3 2 1 4 3 2 1
DEVICE HOST

CRESTRON

USB-SW-400

USB MATRIX
SWITCH

5.04 in.
(128 mm)

PWR SETUP AUTO   1   2   3   4   1 2 G   3 4 G   SERVICE
HOST   INPUT

1.12 in.
(28 mm)

PWR SETUP AUTO   HOST   HOST   INPUT   SERVICE
                      1   2   3   4   1 2 G 3 4 G
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