



OR-442USB

4x4+2 USB3.2 Data Matrix Switch



This OR-442USB is a 3.2 Gen 2 4x4 Matrix Switch that provides a simple and efficient solution for plug-and-play, point-to-point, and sharing USB devices. With the ability to connect 4 USB 3.2 Gen 2 devices with support for up to 10Gbps transfer rates, and 2 dedicated USB 2.0 device ports for keyboard and mouse connections.

The 4 USB Type-C hosts and 6 USB devices support fully matrixed switching. The location of the USB host device is automatically set by hot plug detection, but can also be manually controlled using front panel buttons, triggers and RS-232 commands.

This flexible USB connectivity makes the switch ideal for frequent data transfer and device management across informational, industrial, educational, and commercial applications.

PANELS

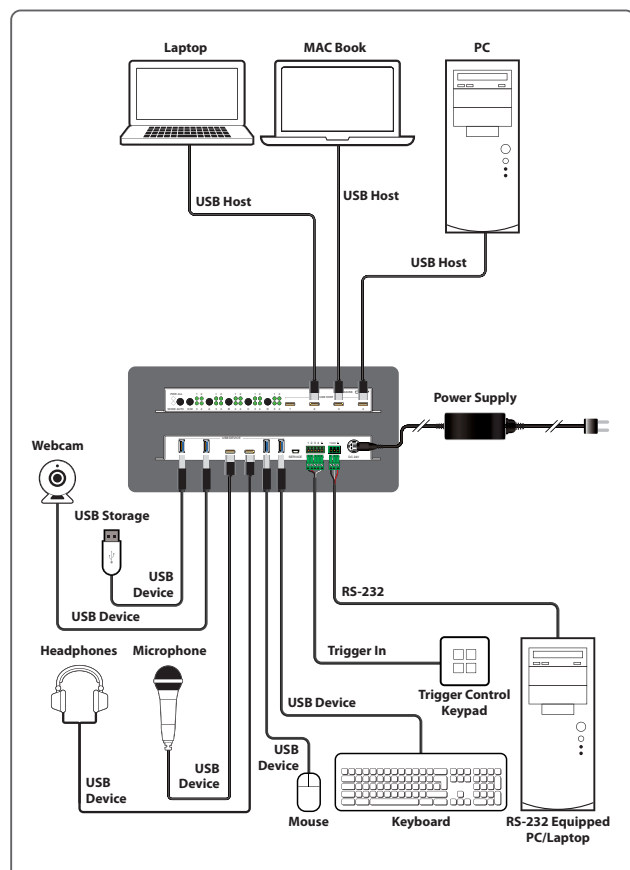


Front View



Rear View

DIAGRAM



FEATURES

- 4 USB 3.2 USB-C hosts, 4 USB 3.2 device ports and 2 USB 2.0 device ports
- Supplies up to 900mA/5V to 4 USB 3.2 device ports (A~D) and 500mA/5V USB 2.0 device ports (K/M)
- Controllable via front-panel buttons, RS-232, and triggers.
- Supports wide USB peripherals with plug-and-play:
 - USB 3.2 Gen 2: 2 USB-A and 2 USB-C ports, up to 10Gbps
 - USB 2.0: 2 USB-A ports for keyboard and mouse
- USB host selection is controllable via front panel buttons or auto connect detection
- Supports three different modes: All mode/ Auto mode/ Matrix mode
 - All Mode: Simultaneously assigns all devices to a single host
 - Auto Mode: Automatically assigns all devices to the host when connected
 - Matrix Mode: Freely assigns one or more devices to any host

SPECIFICATIONS

Interfaces

USB Host 4×USB 3.2 Gen2 (Type-C)

USB Device 2×USB 3.2 Gen2 (Type-A)
2×USB 3.2 Gen2 (Type-C)
2×USB 2.0 (Type-A)

Control I/O 1×RS-232 (3-pin Terminal Block)
1×Trigger (5-pin Terminal Block)

Service Port 1×USB 2.0 (Mini-B)

USB

USB Performance 3.2 Gen2, SuperSpeed+ 10Gbps

Power

Power Supply 24V/2.7A

Power Consumption 5.7W

Enclosure

Chassis Material Metal (Steel)

Chassis Colour Black

Dimensions (W×H×D) 231.5mm×25mm×108mm [Case Only]
231.5mm×25mm×112.7mm [All Inclusive]

Weight 625g

Field Firmware Update

PC Update

ORDERING INFORMATION

Model No.	Product Description
OR-442USB	4×4 USB 3.2 Matrix Switch