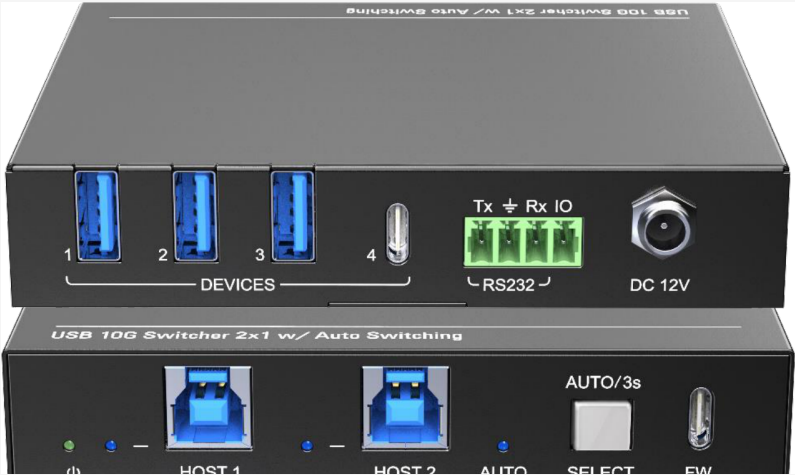


MP-UB21-3.2

USB 10G Switcher 2x1 with Auto Switching



PRODUCT OVERVIEW

The MP-UB21-3.2 is a 2x1 USB 3.2 Gen2 switcher with up to 10Gbps bandwidth. It supports automatic switching and can be controlled from the front-panel button, RS232, or GPIO. The device provides shared 2A power across its four USB device ports and is designed for connecting KVM devices and camera peripherals.

KEY FEATURES

- 2x1 USB 3.2 Gen2 switcher with up to 10Gbps bandwidth.
- Automatic host switching support.
- 2A total current shared across three USB-A and one USB-C device ports.
- Front-panel button, RS232 and GPIO control.
- USB-C firmware upgrade port.
- 12V 2A DC input with locking power connector.

TECHNICAL SPECIFICATIONS

Category	Specification
Host Inputs	2 × USB-B
Host Connector	2 × USB-B
Bandwidth	Up to 10Gbps
Device Ports	3 × USB-A + 1 × USB-C
USB Version	USB 3.2 Gen2
Device Power	Four USB device ports share 2A total current
Control	1 × Button, 1 × RS232, 1 × GPIO
Control Connectors	1 × white non-luminous button; 1 × 3-pin terminal block; 1 × 1-pin terminal block
Power Input	1 × 12V 2A DC IN
Power Connector	Locking block

Category	Specification
Maximum Power Consumption	10.65W
Operating Temperature	-5°C to +55°C
Storage Temperature	-25°C to +70°C
Relative Humidity	10% to 90%
Dimensions (W × H × D)	112 × 21.7 × 90 mm
Net Weight	245 g

CONTROL & CONNECTION

- Front panel: 2 × USB-B 3.2 Gen2 host ports, SELECT button, AUTO indicator and USB-C firmware port.
- Rear panel: 3 × USB-A 3.2 Gen2 for KVM devices, 1 × USB-C 3.2 Gen2 for a camera device, RS232/GPIO terminal connection and 12V 2A DC input.
- RS232 default communication: 9600 baud, 8 data bits, 1 stop bit, no parity. Supported baud rates: 9600, 19200, 38400, 57600 and 115200.
- GPIO supports PULSE mode (default) and LEVEL mode. In LEVEL mode, HIGH/open selects Host 1 and LOW/short-to-ground selects Host 2.

AUTO SWITCHING & OPERATION

- Press the SELECT button to switch the active host.
- Press and hold SELECT for 3 seconds to enter or exit automatic switching mode.
- In GPIO PULSE mode, each HIGH-to-LOW transition on GPIN forces a host change.
- In GPIO LEVEL mode, a level 1 (open or voltage above threshold) selects Host 1, while level 0 (short to ground) selects Host 2.

SYSTEM CONNECTION

The manual's system-connection diagram shows the switcher used in a BYOD/huddle-room setup, connecting USB camera and USB speakerphone devices to the switcher, with a Huddle PC and the BYOD table system connected through the unit.

PACKAGE CONTENTS

1 × MP-UB21-3.2; 2 × mounting ears with 2 screws; 4 × rubber feet; 1 × 4-pin terminal block; 1 × RS232 cable (3-pin to DB9); 1 × DC 12V 2A power adaptor; 1 × user manual.

MECHANICAL

Width	112 mm
Height	21.7 mm
Depth	90 mm
Net Weight	245 g

Warranty: 3 years. Source: MP-UB21-3.2 User Manual, Version MP-UB21-3.2_2023V1.0. All specifications and feature descriptions in this sheet are based on the supplied manual.