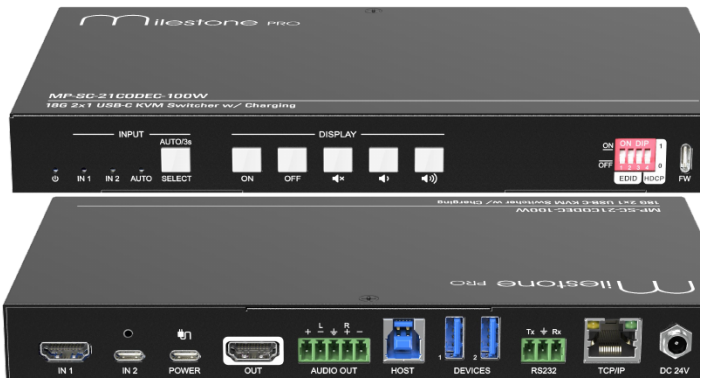


MP-SC-21CODEC-100W

PRODUCT SPECIFICATION SHEET

18G 2×1 USB-C KVM Switcher with Charging



Product Overview

The MP-SC-21CODEC-100W is an 18G 2×1 USB-C KVM switcher designed to route two source inputs—HDMI and USB-C—to a single HDMI display. It supports up to 4K@60Hz 4:4:4 video, HDMI 2.0, HDR10 and HDCP 2.2, making it suitable for modern presentation, meeting-room and collaboration environments.

The unit combines source switching, USB KVM extension, balanced analog audio de-embedding, EDID/HDCP management and control through front-panel buttons, RS232 and TCP/IP. USB-C also supports PD 3.0 charging.

Key Features

- 18G 2×1 switcher with HDMI and USB-C inputs.
- HDMI 2.0 with up to 4K@60Hz 4:4:4 output; HDR10 and HDCP 2.2 support.
- USB-C input with PD 3.0 charging support.
- Automatic 4K down-scaling to 1080P.
- USB 3.2 Gen1 KVM connectivity for camera, microphone, keyboard and other peripherals.
- Balanced analog audio output for audio de-embedding.
- Smart EDID management with configurable settings.
- GUI, RS232 and TCP/IP control for integration into AV systems.

At a Glance

Video Inputs	1 × HDMI, 1 × USB-C
Video Output	1 × HDMI
Maximum Resolution	4K@60Hz 4:4:4
HDMI / HDCP	HDMI 2.0 / HDCP 2.2
USB	USB 3.2 Gen1; 2 × Type-A DEVICE ports
Audio	Balanced Stereo L/R output
Control	EDID, RS232, TCP/IP
Bandwidth	18Gbps

Detailed Technical Specifications

MP-SC-21CODEC-100W • Technical data from the supplied User Manual

VIDEO	
Video Input	(1) HDMI, (1) USB-C
Video Input Connector	(1) Type-A female HDMI, (1) Type-C USB
Video Input Resolution	Up to 4K@60Hz 4:4:4
Video Output	(1) HDMI
Video Output Connector	(1) Type-A female HDMI
Video Output Resolution	Up to 4K@60Hz 4:4:4
HDMI Version	2.0
HDCP Version	2.2
USB Version	USB 3.2 Gen1
HDR 10	Supported
CEC	Yes
HPD	Supported
AUDIO	
Audio Output	(1) AUDIO OUT — Stereo balanced L/R
Audio Output Connector	(1) 5-pin terminal block
HDMI Audio Format	LPCM 7.1 audio; Dolby Atmos®, Dolby TrueHD, Dolby Digital Plus, DTS:X™, DTS-HD Master Audio™ pass-through
CONTROL	
Control	(1) EDID, (1) RS232, (1) TCP/IP
Control Connector	(1) 4-pin DIP switch, (1) 3-pin terminal block, (1) RJ-45
DEVICES	
Device Connector	(2) Type-A USB
Device USB Version	USB 3.2 Gen1
GENERAL	
HDMI 2.0 Cable Length	4K@60Hz 4:4:4 ≤5m; 4K@60Hz 4:2:0 ≤10m; 4K@30Hz 4:4:4 ≤10m; 1080P ≤15m
Bandwidth	18Gbps
Operating Temperature	–5°C to +55°C
Storage Temperature	–25°C to +70°C
Relative Humidity	10% to 90%
External Power Supply	DC 24V 1.25A
Dimensions (W×H×D)	215.0 × 24.5 × 120.0 mm
Net Weight	625 g

Package Contents

- 1 × MP-SC-21CODEC-100W
- 1 × Power Adapter (24V DC, 1.25A)
- 2 × Mounting Ears with 4 Screws
- 1 × 5-pin Terminal Block
- 1 × RS232 Cable (3-pin terminal block to DB9)
- 4 × Rubber Feet
- 1 × User Manual

Source & specification note: Specifications in this sheet are based on the supplied MP-SC-21CODEC-100W User Manual, Version MP-SC-21CODEC-100W_2024V1.0. The manual notes that functions or parameters may be changed without notice; please verify the latest manufacturer documentation for final procurement or installation.