
STOLTZEN

SOLVERA

18G HDMI Manager w/
EDID & HDCP



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Version: SOLVERA_2023V1.0

1. Product Introduction

From the latin word Solvere (to solve) we bring you Stoltzen SOLVERA.

Made to ease installation tangles, this little wonder is packed with a series of smart features.

EDID Manager
HDCP Manager
5V Manager
CEC Blocker

Supports up to 4K@60 4:4:4 and HDCP2.2.
The product is powered by HDMI or USB-C and contains CEC block switch and support auto-downscaling.

2. Specifications

Video Input	
Input	1x HDMI 2.0
Input Connector	1x Female type-A HDMI
HDMI Input Resolution	Up to 4K@60 4:4:4
Video Output	
Output	1x HDMI 2.0
Output Connector	1x Female type-A HDMI
HDMI Output Resolution	Up to 4K@60 4:4:4
General	
Bandwidth	18Gbps
Power Supply	5V 1A
Power Consumption	2.4W(MAX)
Dimension (W*H*D)	54x18x60mm
Net Weight	85g

3. Feature

- 18G HDMI 2.0 4K@60 4:4:4 HDCP2.2
- Supports EDID & HDCP manager.
- Powered by HDMI or USB-C
- Turn off 5V when source without TMDS
- CEC block switch.

4. Package

- 1x SOLVERA
- 1x User Manual

5. Panel Description

1. Power LED: The LED indicates green when power on.
2. HDMI IN: HDMI2.0 input, connect to source.
3. DIP Switch: 4-pin dip switch for EDID and HDCP management.
4. USB-C: USB-C is used to power the machine, upload EDID and firmware upgrade.
5. CEC Switch: Turn on/off the CEC
6. HDMI OUT: HDMI 2.0 output, connect to display.

6. EDID&HDCP management

Predefined EDID Setting

Switch	Resolution	Audio
000	Passthrough	
001	1080p	LPCM
010	1080p	DTS/Dolby
011	3840x2160@30Hz HDR	LPCM
100	3840x2160@30Hz HDR	DTS/Dolby
101	3840x2160@60Hz HDR	LPCM
110	3840x2160@60Hz HDR	DTS/Dolby
111	User defined EDID	

User Defined EDID Setting

- 1) Rename the user defined EDID according to the following format:
0803C000.DAT
- 2) Connect the machine to the PC with USB cable, the PC will automatically detect a U-disk named of "BOOTDISK".
- 3) Copy the EDID file into the U-disk, and then open the U-disk. If there is a SUCCESS.TXT file, it means that the EDID upload is successful.
- 4) Remove the USB cable, connect the adapter to power on the machine.

7. Firmware Upgrade

- 1) Rename the upgrade file according to the following format:
08009000.APP
- 2) Disconnect the HDMI and connect the SOLVERA to the PC with USB cable, the PC will detect a U-disk named "BOOTDISK".
- 3) Copy the file into the U-disk, and then open the U-disk. If there is a SUCCESS.TXT file, upgrade is successful, and if there is an UNKNOWN.TXT file, it means it failed.
When doing FW update, do not use dockings, hubs or other devices between SOLVERA and HOST.

