

USB-C® TO HDMI® VIDEO ADAPTER

AV MATRIX TEST

C2G54550 was tested at 8K60Hz for compatibility performance with various source/sink combinations

Cabling: C2G 8K HDMI + Synaptics USB-C to HDMI 8K adapter Source \ Sink #1	Samsung 8K TV (HDMI)	Comments
Stormtrooper - AMD 6900XT GPU	pass - 8k60Hz/4k120Hz 4:4:4	
Lenovo ThinkPad L15	pass - 8k30Hz/4k120Hz	8k30Hz max
Lenovo ThinkPad T14	pass - 8k60Hz/4k120Hz 4:4:4	
Acer Chromebook Spin 714	not full compliance - 4k60hz max	8k30Hz and 4k120Hz does appear, but will not display.
Macbook Pro M2	not full compliance - 4k60hz max	Can achieve 8k60Hz through the HDMI port on the M2, but not through adapter.
HP Spectre x360 2021	pass - 8k60Hz/4k120Hz	
Dell XPS 13	pass - 8k60Hz/4k120Hz	
Microsoft Surface Laptop 4	pass - 8k30Hz/4k120Hz 4:4:4	
Microsoft Surface Laptop 5	pass - 8k60Hz/4k120Hz	

TEST ITEMS FOR EACH TEST CASE

1. DUT AV Quality: Observe general audio and video quality and be attentive to abnormalities
2. DUT AV Hotplug: Hotplug all video and audio connections in random sequence
3. DUT Power Hotplug: Hotplug power source and change power state of DUT
4. Device Power On/Off: Source and sink such that monitor/TV is turned on/off with power switch or RC
5. PC Operating States: S3/S5 [S3: sleep mode, S5: power off mode], PC to keep screen configuration with the same resolutions

Key	
	Pass
	Failure
	Intermittent Failure
	Intermittent Failure; Less Pronounced

HOW TESTS WERE CONDUCTED

Source->3.3ft (1m) C-C Cable or 10ft (3m)
A-C Cable->USB 3.2 Extender TX->328ft
(100m) Cat6a U/FTP->RX->Device

COMMENTS

- 1080p & 4K
- Dell + C2G50182
- Lenovo + C2G56784
- Samsung + C2G10452
- LG + C2G50181

C2G | CHIEF | CONNECTRAC | DA-LITE | LUXUL | MIDDLE ATLANTIC | ON-Q | SANUS | VADDIO | WIREMOLD