G8

The G8 is a versatile and reliable solution for permanent installations and is perfectly suited for large digital signage screens and interactive projects.

With its strong performance and adaptability, it delivers a solid foundation for impactful digital experiences.

KEY FEATURES

PERFORMANCE

Perfect for high-end permanent installations that needs the full power of Realmotion

INTERACTIVE

Great option for installations that needs robust interactive capabilities

FORMAT

Robust PCIE 5.0 architecture rack mounted solution

OUTPUTS

Up to 3 × 4K display in lossless codecs or uncompressed playback

CERTIFICATION

Certified for all major international safety and emissions standards

INCLUSIONS

3 year hardware warranty included
Perpetual Realmotion license included
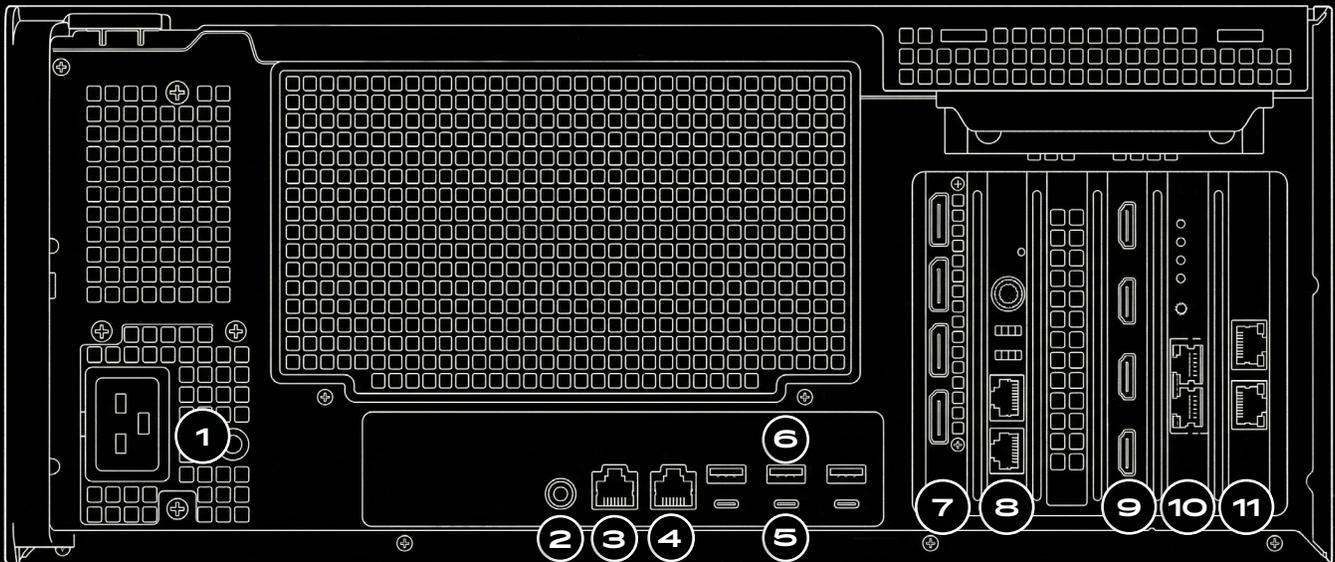
LEGEND

1. Power supply outlet (1000W)
2. Universal audio port
3. Ethernet (1GB)
4. Ethernet (10GB)
5. 3 x USB-C 3.2
6. 3 x USB-C 3.2
7. 4 x DP 1.4a (NVIDIA RTX 4000 ada)
8. NVIDIA quadro sync II (add-on)
9. HDMI capture card (add-on)
10. Dante audio card (add-on)
11. 2 x Ethernet (10GB)

REALMOTION G-SERIES

G8

HARDWARE

Form factor	Server rack
Graphics	NVIDIA RTX 4000 ada
Processor	AMD Threadripper 16 cores | 4.5 GHz - 5.3 GHz
RAM	64 GB DDR5
Boot drive	1 TB Gen 4 PCIe NVMe
Data drive	2 TB Gen 4 PCIe NVMe
RAID controller	Software RAID 1
Front USB ports	2 x USB C (3.2 gen 2) 2 x USB A (3.2 gen 1)
Rear USB ports	3 x USB C (3.2 gen 2) 3 x USB A (3.2 gen 1)
Ethernet	3 x RJ45 (10GB) + 1 x RJ45 (1GB)
Wireless	N/A
Video ports	4 x Displayport 1.4a
Audio port	Audio jack 1.8mm

SOFTWARE

Realmotion Engine	Perpetual license included
OS	Windows 11 iOT Enterprise LTSC
Audio (optional)	Dante virtual soundcard
Interactive (optional)	Notch Block / Touch Player

OPTIONAL EXPANSIONS

HDMI (video capture)	2 x 4K capture 2 x HDMI 2.0 4k + 2x HDMI 2.0 4k loop-through
SDI (video capture)	2 x 4K capture Single link (12G) / Dual link (6G) / Quad link (3G)
Genlock	Quadro sync 2 card
Audio	Dante PCIe card

* Not all optional expansions are possible at the same time. Contact us for more information.

ELECTRICAL & OPERATING

Line voltage	90 - 264 VAC
Frequency	50 - 60 Hz
Power supply	1000W
Operating temperature	0°C to 35°C (32°F to 95°F)
Operating humidity range	20% to 80% (non-condensing)
Storage temperature	-40°C to 65°C (-40°F to 149°F)
Storage humidity range	5% to 95% (non-condensing)
PSU certification	UL (North America) CE (Europe) UKCA (UK) PSE (Japan) CCC (China) BIS (India)

* Only main PSU certification standards are listed. Contact us if your standard is not listed.

WARRANTY & SECURITY

Warranty	3 years standard warranty included
Optional warranty	5 years
Regulatory compliance	CEC MEPS WEEE Japan Energy Law EU RoHS China RoHS

* Only main regulatory compliance standards are listed. Contact us for more information.

CHASSIS

Weight	56.34 lbs (25.57 kg)
Dimensions (H/W/D)	7" (177.8 mm) 19" (482.6 mm) 19.19" (487.43 mm)
Rack unit	4U
Rack mountable	Yes

CONTACT US AT INFO@REALMOTION.COM FOR A QUOTE