

# G16

Engineered for demanding, permanent installations where top-tier performance is essential.

It offers extensive customization options with a wide range of capture cards, ensuring you can tailor the system to meet specific project requirements.



# KEY FEATURES

## DIGITAL SIGNAGE

The most performant server of the G-Series

## INTERACTIVE

Superb option for installations that needs massive interactive capabilities

## FORMAT

Robust PCIE 5.0 architecture  
Rack mounted solution

## OUTPUTS

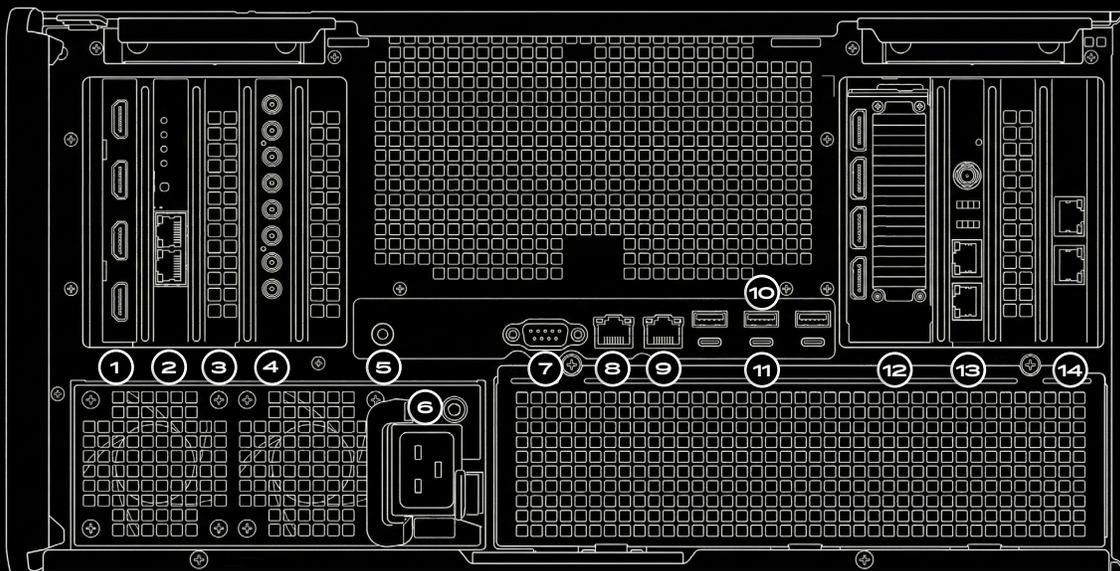
Up to 4 × 4K display in lossless codecs or uncompressed playback

## CERTIFICATION

Certified for all major international safety and emissions standards

## INCLUSIONS

3 year hardware warranty included  
Perpetual Realmotion license included



## LEGEND

- |   |                               |    |                             |    |                                      |
|---|-------------------------------|----|-----------------------------|----|--------------------------------------|
| 1 | HDMI capture card             | 6  | Power supply outlet (2200W) | 11 | 3 x USB-A (5GB)                      |
| 2 | Dante audio card (add-on)     | 7  | Serial port                 | 12 | 4 x DP 1.4a<br>(NVIDIA RTX 5000 ada) |
| 3 | Expansion slot                | 8  | Ethernet (1GB)              | 13 | NVIDIA quadro sync II (add-on)       |
| 4 | Dual 4K 12G SDI card (add-on) | 9  | Ethernet (10GB)             | 14 | 2 x Ethernet (10GB)                  |
| 5 | Universal audio port          | 10 | 3 x USB-C (10GB)            |    |                                      |

# REALMOTION G-SERIES

## G16

### HARDWARE

Form factor	Server rack
Graphics	NVIDIA RTX 5000 ada
Processor	Intel Xeon 32 cores   2.5 GHz - 4.8 GHz
RAM	128 GB DDR5
Boot drive	1 TB Gen 4 PCIe NVMe
Data drive	8 TB Gen 4 PCIe NVMe
RAID controller	Software RAID 1 on boot drive Software RAID 5 on data drive
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

### ELECTRICAL & OPERATING

Line voltage	250V / 20amp
Frequency	50 - 60 Hz
Power supply	2200W
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.

### SOFTWARE

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

### 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.

### OPTIONAL EXPANSIONS

HDMI (video capture)	<b>2 x 4K capture</b> 2.0 4K HDMI 2.0 + 2 x HDMI 2.0 4K loop-through (Included)
SDI (video capture)	<b>2 x 4K capture</b> 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.

### CHASSIS

Weight	65 lbs. (30 kg)
Dimensions (H/W/D)	8.58" (177.8 mm) 17.09" (434.20 mm) 21.19" (538.30 mm)
Rack unit	5U
Rack mountable	Yes

CONTACT US AT [INFO@REALMOTION.COM](mailto:INFO@REALMOTION.COM) FOR A QUOTE