

## Lenovo Legion R45w-30 Monitor

# Brings your games to life.

### Jaw-dropping gaming visuals

- Explore all the corners of the battlefield on the impressively large 44.5-inch monitor.
- Cruise into the world of ultra-immersive gaming with the 32:9, ultra-wide, 1500R curved display.
- Experience gaming in extremely sharp clarity on the DQHD, 5120 x 1440 resolution screen.

### Supports the pinnacle of gaming

- Play all your favorite games at a buttery-smooth 170Hz refresh rate.
- Super responsive and sharp gameplay on 1ms MPRT<sup>1</sup> response time and ClearMR 7000 certified monitor ensures that you're always winning.
- Enjoy completely stutter-free gameplay, powered by AMD FreeSync™ Premium Pro<sup>2</sup> and Adaptive Sync technologies.

### Tailored to your hybrid lifestyle

- Relish one-cable docking and simultaneous 75 Watts charging with our full-function USB-C<sup>3</sup> port.
- Game at your best on a completely stable internet connection with the built-in 2.5Gb/s RJ45 port.
- Get more done than ever before with a host of tools including True Split, KVM, and PIP/XP.



### Display

#### Panel Size

44.5-inch

#### Screen Dimensions

1101.1 mm x 318.6 mm

#### Panel Type

3-side Borderless, VA

#### Active Area

1087.5 mm x 305.9 mm

#### Curvature

1500R

#### Backlight

WLED

#### Aspect Ratio

32:9

#### Resolution

5120 x 1440

#### Pixel Pitch

0.212 mm x 0.212 mm

#### Dot/Pixel Per Inch (DPI/PPI)

119.5

#### Viewing Angle (H x V @ CR 10:1)

178° / 178°

#### Response Time

1ms (MPRT)<sup>1</sup>, 4ms (Level 4),  
7ms (Level 3), 9ms (Level 2),  
12ms (Level 1)

#### Refresh Rate

165Hz (Overclock to 170Hz<sup>2</sup>)

#### Brightness (Typical)

450 cd/m<sup>2</sup>

#### Brightness (Peak)

500 cd/m<sup>2</sup>

#### Contrast Ratio (Typical)

3000:1

#### Dynamic Contrast Ratio (Typical)

3M:1

#### Color Gamut (Coverage Ratio)

99% sRGB (CIE 1931)  
90% DCI-P3 (CIE 1976)

#### Color Gamut (Color Area Ratio)

120% sRGB (CIE 1931)  
95% DCI-P3 (CIE 1976)

#### Color Support

16.7 Million

#### Color Depth

8-bit

#### HDR Compliance

Yes (DisplayHDR™ 400)

#### Anti-glare

Yes

### Connectivity

#### Video Signal

1 x USB Type-C<sup>3</sup> (DP 1.4  
32.4 Gbps for 4 lanes Alt Mode)  
2 x HDMI 2.1<sup>4</sup>  
1 x DP 1.4

#### Audio Signal

1 x Audio Out (3.5 mm)

#### USB Hub

Yes

#### Ethernet

Yes (10M/100M/1000M/2500M)

#### USB Upstream

1 x USB 3.2 Gen 1<sup>5</sup> Type-C<sup>3</sup>  
1 x USB 3.2 Gen 1<sup>5</sup> Type-B

#### USB Downstream

3 x USB 3.2 Gen 1<sup>5</sup> Type-A

### Multimedia

#### Integrated Speakers

Yes (2 x 3W)

#### Modular Camera Support

Yes (LC50)

### Special Features

#### PIP/PBP

Yes

#### True Split

Yes

#### KVM Switch

Yes

#### Software

Lenovo Artery (Lenovo Accessories  
and Display Manager)<sup>6</sup>

#### Sync Technology

AMD FreeSync™ Premium Pro<sup>7</sup>  
VESA Adaptive Sync

#### ClearMR

ClearMR 7000

#### Gaming Console Support

Yes

#### Natural Low Blue Light

Yes

### Power

#### Power Consumption (Typ. / Max)

34.0W / 165.0W

#### Power Consumption Sleep/Off Mode

< 0.5W

#### Power Consumption Switch-off Mode

< 0.3W

#### Power Supply

Internal

#### USB Type-C<sup>3</sup> (DP Alt Mode)

#### Power Delivery<sup>8</sup>

Up to 75W (Smart Power)

#### Smart Power

Yes

#### Voltage Required

AC 100 to 240 V (50-60Hz)

### Mechanical

#### Tilt Angle (Front / Back)

-5° / 22°

#### Swivel Angle (Left / Right)

-30° / 30°

#### Lift (Max. Range)

135 mm

#### VESA Mount Capability

Yes (100 x 100 mm & 200 x 100 mm)

#### Kensington Lock Slot

Yes

#### Cable Management

Yes

#### Bezel Color

Black C

#### Bezel Width (Side)

2.5 mm

#### Bezel Width (Top / Bottom)

2.5 mm / 22.4 mm

### Dimension

#### Size Packed

(D x H x W, mm / inch)  
345.0 x 480.0 x 1230.0 mm  
13.58 x 18.90 x 48.43 inches

#### Size Unpacked w/ Stand (Highest Position)

(D x H x W, mm / inch)  
341.1 x 528.4 x 1089.9 mm  
13.43x 20.80 x 42.91 inches

#### Size Unpacked w/ Stand (Lowest Position)

(D x H x W, mm / inch)  
341.1 x 339.4 x 1089.9 mm  
13.43 x 15.49 x 42.91 inches

#### Size Unpacked w/o Stand (Head Only)

(D x H x W, mm / inch)  
163.6 x 339.1 x 1089.9 mm  
6.44 x 13.35 x 42.91 inches

#### Weight Packed (kg / lb)

20.2 kg / 44.5 lbs.

#### Weight Unpacked (kg / lb)

12.1 kg / 26.7 lbs.

#### Weight (Monitor Head Only) (kg / lb)

8.3 kg / 18.3 lbs.

### What's in the Box

#### Monitor with Stand

Yes

#### Power Cable (Cable Length)

1 x Power Cable (1.8m)

#### DP Cable (Cable Length)

1 x DP 1.4 Cable (1.8m)

#### USB Cable (Cable Length)

1 x USB Type-A to Type-B Cable (1.8m)

#### Quick Setup Guide

Yes

#### Warranty Booklet

Yes

### Certification

#### CCC

Yes

#### Volatile Organic Compound Certification

Yes

#### RoHS (2011/65/EU)

Yes

#### Windows Certification

Windows 10, Windows 11

#### EU Energy Level Certification

Yes (Level-F)

#### China Energy Efficiency Standard

Yes (CEL 1)

#### TÜV Rheinland Eye Comfort

Yes

#### TÜV Low Blue Light (Hardware Solution)

Yes

#### Eyesafe Display Certification

Yes (Eyesafe 2.0)



<sup>1</sup> Moving Picture Response Time (MPRT) improves the response time and reduces motion blur in the monitor. Enabling MPRT will disable AMD FreeSync™ technology, and you may notice a negligible flicker. <sup>2</sup> Overclocking at 170Hz is based on laboratory test data, and this function may cause irregularities in the display. <sup>3</sup> USB Type-C\* and USB-C\* are registered trademarks of USB Implementers Forum. <sup>4</sup> Supports 5120 x 1440 @ 165Hz as specified in HDMI 2.1. <sup>5</sup> Depending on many factors such as the processing capability of peripheral devices, file attributes, and other factors related to system configuration and operating environments, the actual transfer rate using the various USB connectors on this device will vary and is typically slower than the data rates as defined by the respective USB specifications: 5 Gbit/s for USB 3.2 Gen 1; 10 Gbit/s for USB 3.2 Gen 2 & 20 Gbit/s for USB 3.2 Gen2x2. <sup>6</sup> Formerly Lenovo Display Control Center. Supports Windows 10 & 11, Mac OS, Windows On Arm (functions vary across systems). <sup>7</sup> AMD FreeSync™ Premium Pro technology only can work with AMD Radeon™ series graphics card. <sup>8</sup> Listed as maximum capacity of power delivery. Actual capacity of power delivery may vary depending upon devices connected or monitor configuration, and may decline with downstream USB ports connected or higher brightness setting.

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