

# Produktdatenblatt

DELEGIERTE VERORDNUNG (EU) 2019/2013 DER KOMMISSION zur  
Energieverbrauchskennzeichnung von elektronischen Displays

	Parameter	Parameter oder Wert und Genauigkeit			Einheit
1.	Name oder Warenzeichen des Lieferanten	Lenovo			
	Anschrift des Lieferanten	Lenovo, Landererova 12, 811 09 Bratislava, SK			
2.	Modellkennung	Q27h-20(A22270QQ0)			
3.	Energieeffizienzklasse bei Standard-Dynamikumfang (SDR)	F			
4.	Leistungsaufnahme im Ein-Zustand bei SDR	26,0			W
5.	Energieeffizienzklasse bei hohem Dynamikumfang (HDR)	G			
6.	Leistungsaufnahme im Ein-Zustand bei hohem Dynamikumfang (HDR), falls vorhanden	33,0			W
7.	Leistungsaufnahme im Aus-Zustand, falls zutreffend	0,3			W
8.	Leistungsaufnahme im Bereitschaftszustand, falls zutreffend	0,5			W
9.	Leistungsaufnahme im vernetzten Bereitschaftsbetrieb, falls zutreffend	Nicht zutreffend			W
10.	Art des elektronischen Displays	Monitor			
11.	Seitenverhältnis	16	:	9	
12.	Bildschirmauflösung	2 560	x	1 440	pixels
13.	Bildschirmdiagonale	68,5			cm
14.	Bildschirmdiagonale	27			Zoll
15.	Sichtbare Bildschirmfläche	20,0			dm <sup>2</sup>
16.	Verwendete Panel-Technologie	LED LCD			
17.	Automatische Helligkeitsregelung (ABC) vorhanden	Nein			
18.	Spracherkennungssensor vorhanden	Nein			
19.	Anwesenheitssensor vorhanden	Nein			
20.	Bildwiederholfrequenz (Standard)	60			Hz
21.	Mindestens garantierte Software- und Firmware-Aktualisierungen (ab dem Datum der Beendigung des Inverkehrbringens)	8			Jahre
22.	Mindestens garantierte Verfügbarkeit von Ersatzteilen (ab dem Datum der Beendigung des Inverkehrbringens)	7			Jahre
23.	Mindestens garantierte Produktunterstützung	7			Jahre
	Mindestlaufzeit der vom Lieferanten angebotenen allgemeinen Garantie	3			Jahre
24.	Art der Stromversorgung (Netzteil)	Extern			
25.	Externes Netzteil (nicht genormt, in der Verkaufsverpackung enthalten)				
	<i>i</i>	-			

	<i>ii</i>	Eingangsspannung	-	V
	<i>iii</i>	Ausgangsspannung	-	V
26.	Genormtes externes Netzteil (oder geeignetes Netzteil, falls nicht in der Verkaufsverpackung enthalten)			
	<i>i</i>	-		
	<i>ii</i>	Benötigte Ausgangsspannung	-	V
	<i>iii</i>	Benötigte (Mindest-)Stromstärke	-	A
	<i>iv</i>	Benötigte Stromfrequenz	-	Hz

### PERFORMANCE

#### Display Size

27"

#### View Area

596.7x335.7 mm

#### Panel

In-Plane Switching

#### Aspect Ratio

16:9

#### Resolution

2560x1440

#### Pixel Pitch

0.233x0.233 mm

#### Dot / Pixel Per Inch

109 dpi

#### View Angle (H / V)

178 / 178

#### Response Time

4ms (Level 4) / 5ms (Level 3) / 6ms (Level 2) / 7ms (Level 1) / 14ms (Off Mode)

#### Color Support

1.07 Billion

#### Refresh Rate

70 Hz

#### Brightness

350 nits

#### Contrast Ratio

1000:1

#### Color Gamut

99% sRGB, 95% DCI-P3

#### Anti-glare

Yes

#### Curvature

None

#### Camera

Lenovo® LC 50 Support

#### Microphone

None

#### Speakers

3Wx2, Smart Amp

#### Power Consumption (Typical / Maximum)

26W / 150W

#### Power Adapter

Integrated

#### Touchscreen

None

#### Smart System

None

### DESIGN

#### Stand

Tilt, Height Adjust Stand

#### Case Color

Cloud Grey

#### Side Bezel Width

2 mm

#### Dimensions with Stand (HxWxD)

559.6x613.4x186.9 mm / 22.03x24.15x7.36 inches

#### Weight (Including Stand)

6.3 kg / 14.0 lbs.

#### Mounting

Supports VESA mount 100mm

#### ThinkCentre® M Series Support

None

### CONNECTIVITY

#### USB Port

3x USB-A 3.2 Gen 1, 1x USB-C® 3.2 Gen 1 (15W)

#### Video Connector

2x HDMI® 2.0, 1x DP 1.4, 1x USB-C® 3.2 Gen 1 (DP 1.4 Alt Mode)

#### Network Connectivity

None

### SERVICE

#### Base Warranty

3-year

### CERTIFICATIONS

#### Environmental Certification

RoHS, EU Energy Efficiency Level (Level-F)

#### Ergonomic Certification

Eyesafe® Display, TÜV Low Blue Light (Hardware solution), TÜV Rheinland® Eye Comfort

#### Sync Technology

AMD FreeSync™

### SOFTWARE

#### Operating System

Support Windows® 10, Windows® 11

### ACCESSORIES

#### Video Cables

USB Type-C® Cable

### MODEL

Announce Date : 2022-05-10  
EAN / UPC : 0196378003245 / 196378003245 / None  
/ JAN



## Premium Care - Advanced Support from Real People. Real Fast.



### REAL PERSON

Choose how you want to reach us - through the phone, chat or email - our expert technicians will take care of you.



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Highly trained technicians will provide you real-time solutions, whatever the issue, on your first contact. If needed, our team will schedule an onsite visit for the next business day.



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### PC HEALTH CHECK

Free annual PC Health Check that allows our experts to spot issues before you do so they can resolve them quickly and help you avoid PC problems.

## Accidental Damage Protection - Protection of your PC from the unexpected.

Experience shows that a significant portion of devices may be damaged (and not covered under warranty) in the first three years. Lenovo's Accidental Damage Protection service covers accidents beyond the system warranty such as drops, spills, bumps and even electrical surges. Make sure your new device has maximum protection, avoid unplanned costs and get peace of mind.

## Base Warranty – Included with the systems you purchase, default 1- or 3-year coverage window.

## Warranty Extensions & Upgrades – Service and protection that's right for your circumstances.

- Pick Up & Return Courier
- Onsite Support
- Technician Installed Customer
- Replaceable Unit Service
- International Warranty Upgrade

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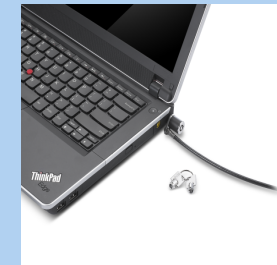
## Recommended Accessories



### Kensington MicroSaver 2.0 Cable Lock from Lenovo

4XEON80914

Protect your device. Lenovo offers the latest standard in device security - the MicroSaver 2.0 Cable Lock From Lenovo. Engineered to be the smallest, strongest lock for laptops and other devices, the MicroSaver 2.0 re...



### Lenovo Security Cable Lock

57Y4303

The Lenovo Security Cable Lock allows customers to manage physical security access within the enterprise, offices, schools, libraries, or in other public spaces. Cable locks help reduce theft, and increase physical as...

For a full list of accessories and services, please visit:  
<https://smartfind.Lenovo.com>

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**PSREF**  
Product Specifications  
Reference

# Lenovo Q27h-20 Monitor

## Excellence all around.

Performance, in style.

Whether you are a fashionista or a professional seeking high productivity and efficiency, the Lenovo Q27h-20 Monitor is built for you. Loaded with impeccable style and advanced features that complement your home aesthetic, the monitor transforms your daily viewing experience. This 27-inch QHD resolution In-Plane Switching (IPS) display comprises an aesthetic 4-side NearEdgeless design. The combination of Natural Low Blue Light technology and an ergonomically designed adjustable stand ensures that you get a comfortable viewing experience in every way possible. The USB Type-C<sup>1</sup> one-cable solution provides a better, faster, and broader connectivity to other devices. A Smart Power feature eliminates power consumption issues with up to 90W power supply. The display features 95% DCI-P3 color gamut, 128% sRGB color space, 1.07 billion color support and HDR10 to provide a vivid, life-like viewing experience with Avg. Delta E<2 color accuracy at every angle - delivering an overall professional-level color performance. The thoughtfully designed space-saving stand base with a mobile phone holder not only ensures that your work environment is tidy but also offers you the added convenience of charging your phone. Moreover, you get a superior user experience with the Lenovo Artery Software<sup>2</sup>, that besides basic settings, also lets you control the monitor and other devices with its advanced tools. Convenient monitor settings let you easily adjust the scenario mode, color, audio, etc., with just a single click on the mouse. Last, but not least, the dual 3W speakers with Smart Amp technology enhances your audio experience.

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### KEY FEATURES OF LENOVO Q27h-20 MONITOR



#### Style meets superior functionality

The Lenovo Q27h-20 is as great to look at as it is to view content - providing a perfect balance of aesthetics and functionality. The ergonomically designed monitor stand is equipped with a unique height-adjust stand with tilt and lift function, allowing you to select your preferred height and angle for a comfortable viewing experience. The monitor's trend-setting 4-side NearEdgeless design adds a sophisticated style and delivers a generous and expansive infinity viewing experience. We understand the assistive role your phone plays in everyday life. That is why the monitor-stand seamlessly accommodates your mobile in the mobile-holder, allowing you to keep an eye on your phone and keep your desk space tidy. The monitor stand's terrazzo grey color, along with the metal stand arm, adds a sophisticated touch to the overall aesthetic appearance of the Lenovo Q27h-20 monitor.

#### Picture-perfect

The Lenovo Q27h-20 monitor accommodates a 27-inch QHD resolution IPS display with 92.4% screen-to-body ratio that provides an infinity viewing experience to view multiple content simultaneously with high clarity. The display features 95% DCI-P3 color gamut, 128% sRGB color space, 10-bit color depth, and 1.07 billion color support giving you a premium color performance - at every angle. Prepare to be dazzled by HDR10 which displays life-like colors for a brilliant viewing experience with Avg. Delta E<2 color accuracy from every perspective. The Lenovo Q27h-20 monitor's Natural Low Blue Light technology automatically reduces harmful blue light while maintaining color accuracy - enabling comfortable viewing while working from home or studying online easy, relaxing and safe for your eyes.

#### Unleash an all-around experience

Enjoy content from multiple devices by connecting them seamlessly with the incredibly convenient connectivity of the USB Type-C<sup>1</sup> one-cable solution to a versatile range of ports, including HDMI 2.0 and DP 1.4. Work without any worries about power consumption, backed by the Smart Power feature, with up to 90W power supply. The Artery Software<sup>2</sup> allows users to easily adjust the setting of the display and elevates the viewing experience further by providing advanced tools that help seamlessly manage the monitor and other devices. Your viewing experience is enhanced with all-round audio from the dual 3W speakers with Smart Amp technology producing rich and clear audio that amplifies sound quality for on-screen action, voice conferences or online classes.

<sup>1</sup> USB Type-C<sup>®</sup> and USB-C<sup>®</sup> are registered trademarks of USB Implementers Forum. | <sup>2</sup> This software can only be used with Windows 10 and Windows 11.

# Lenovo Q27h-20 Monitor

## DISPLAY

**Panel Size**  
27-inch

**Screen Dimensions (W x H, mm)**  
608.6 mm x 348.6 mm

**Panel Type**  
4-side NearEdgeless  
In-Plane Switching

**Active Area**  
596.7 mm x 335.7 mm

**Backlight**  
WLED

**Aspect Ratio**  
16:9

**Resolution**  
2560 x 1440

**Pixel Pitch**  
0.233 mm x 0.233 mm

**Dot/Pixel Per Inch (DPI/PPI)**  
109

**Viewing Angle (H x V @ CR 10:1)**  
178° / 178°

**Response Time**  
4ms (Level 4), 5ms (Level 3),  
6ms (Level 2), 7ms (Level 1),  
14ms (Off Mode)

**Refresh Rate**  
70 Hz

**HDR Compliance**  
HDR10

**Brightness (Typical)**  
350 cd/m<sup>2</sup>

**Contrast Ratio (Typical)**  
1000:1

**Dynamic Contrast Ratio (Typical)**  
3M:1

**Color Gamut (Coverage Ratio)**  
99% sRGB (CIE 1931),  
95% DCI-P3 (CIE 1976)

**Color Gamut (Color Area Ratio)**  
128% sRGB (CIE 1931)

**Color Support (Typical)**  
1.07 Billion

**Color Depth**  
10 bit (8-bit + FRC)

**Processor LUT**  
12-bit

**Anti-Glare**  
Yes

## CONNECTIVITY

**Video Signal**  
1 x USB Type-C<sup>1</sup> Gen1 (DP 1.4 Alt Mode)  
2 x HDMI 2.0  
1 x DP 1.4

**Audio Signal**  
1 x Audio Out (3.5 mm)

**USB Hub**  
Yes

**USB Upstream**  
1 x USB Type-C<sup>1</sup> (USB 3.2 Gen1<sup>2</sup>/UFP/  
HBR2/65W up to 90W)

**USB Downstream**  
3 x USB 3.2 Gen1<sup>2</sup> Type-A  
1 x USB 3.2 Gen1<sup>2</sup> Type-C<sup>1</sup> (15W)

## MULTIMEDIA

**Integrated Speakers**  
Yes (2 x 3W), Smart Amp

**Modular Camera Support**  
Yes (Lenovo LC 50)

## SPECIAL FEATURES

**Factory Calibration**  
Yes (Avg. Delta E<2)

**Software**  
Lenovo Artery<sup>3</sup> (Lenovo Display  
Control Center)

**Sync Technology**  
AMD FreeSync™<sup>4</sup>

**Natural Low Blue Light**  
Yes

## POWER

**Power Consumption (Typ./Max)**  
26W/150W

**Power Consumption Sleep/Off Mode**  
< 0.5W

**Power Consumption Switch-Off Mode**  
< 0.3W

**Power Supply**  
External

**USB Type-C<sup>1</sup> (DP Alt Mode)  
Power Delivery<sup>5</sup>**  
Up to 90W

**USB Type-C<sup>1</sup> (Downstream)  
Power Delivery<sup>5</sup>**  
Up to 15W

**Smart Power**  
Yes

**Voltage Required**  
AC 100 to 240 V (50-60 Hz)

## MECHANICAL

**Tilt Angle (Front / Back)**  
-5° / 22°

**Lift Range**  
80 mm

**VESA Mount Capability**  
Yes (100 x 100 mm)

**Kensington Lock Slot**  
Yes

**Cable Management**  
Yes

**Bezel Color**  
Cloud Grey

**Bezel Width (Side)**  
2.0 mm

**Bezel Width (Top / Bottom)**  
2.0 mm / 2.0 mm

## DIMENSION

**Size Packed  
(D x H x W) (mm/inch)**  
470.0 x 142.0 x 715.0 mm  
18.50 x 5.59 x 28.15 inches

**Size Unpacked w/ Stand  
(Lowest Position)  
(D x H x W) (mm/inch)**  
186.9 x 479.6 x 613.4 mm  
7.36 x 18.88 x 24.15 inches

**Size Unpacked w/ Stand  
(Highest Position)  
(D x H x W) (mm/inch)**  
186.9 x 559.6 x 613.4 mm  
7.36 x 22.03 x 24.15 inches

**Size Unpacked w/o Stand (Head Only)  
(D x H x W) (mm/inch)**  
41.8 x 353.4 x 613.4 mm  
1.65 x 13.91 x 24.15 inches

**Weight Packed (kg / lbs.)**  
9.3 kg / 20.6 lbs.

**Weight Unpacked (kg / lbs.)**  
6.3 kg / 14.0 lbs.

**Weight (Monitor Head Only) (kg / lbs.)**  
4.4 kg / 9.7 lbs.

## WHAT'S IN THE BOX

**Monitor with Stand**  
Yes

**Power Cable (Cable Length)**  
1 x Power Cable (1.0 m)

**Adapter**  
1 x Adapter (150W)

**HDMI Cable (Cable Length)**  
1 x HDMI Cable (1.8 m)

**USB Cable (Cable Length)**  
1 x USB Type-C Cable (1.0 m)

**Factory Calibration Report**  
Yes

**Quick Setup Guide**  
Yes

**Warranty Booklet**  
Yes

**Tools**  
1 x Screwdriver and 2 x Screws

## CERTIFICATION

**CCC**  
Yes

**RoHS (2011/65/EU)**  
Yes

**Windows Certification**  
Windows 10, Windows 11

**China Energy Efficiency Standard**  
Tier 2

**TÜV Rheinland Eye Comfort**  
Yes

**TÜV Low Blue Light  
(Hardware Solution)**  
Yes

**Eyesafe Display Certification**  
Yes



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<sup>1</sup> USB Type-C<sup>®</sup> and USB-C<sup>®</sup> are registered trademarks of USB Implementers Forum. | <sup>2</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 Gen 2x2. | <sup>3</sup> This software can only be used with Windows 10 and Windows 11. | <sup>4</sup> AMD FreeSync™ only can work with AMD Radeon™ series graphics card.

<sup>5</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 setting.

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