

Modern Series

Modern MD272QXP (3PB1) Modern MD272QXPW (3PB1)

User Guide

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Revision

V2.0, 2023/12

Getting Started

This chapter provides you with the information on hardware setup procedures. While connecting devices, be careful in holding the devices and use a grounded wrist strap to avoid static electricity.

Package Contents

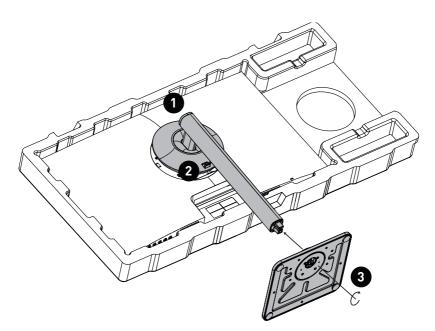
Monitor	Modern MD272QXP Modern MD272QXPW			
Documentation	Quick Start Guide			
	Stand with Screw(s)			
	Stand Base with Screw(s)			
Accessories	Screw(s) for Wall Mount Bracket(s)			
	Power Cord			
	External Power Supply (Optional)			
Cables	High Speed HDMI™ Cable (Optional)			
Cables	USB Upstream Cable(for USB Type-B Upstream Port) (Optional)			

Important

- Contact your place of purchase or local distributor if any of the items is damaged or missing.
- Package contents may vary by country.
- The included power cord is exclusively for this monitor and should not be used with other products.

Installing the Monitor Stand

- 1. Leave the monitor in its protective packaging. Align the stand to the monitor groove.
- 2. Push the stand towards the monitor groove until it locks in place.
- 3. Connect the base to the stand and tighten the base screws to secure the base.
- **4.** Make sure the stand assembly is properly installed before setting the monitor upright.



Important

- Place the monitor on a soft, protected surface to avoid scratching the display panel.
- Do not use any sharp objects on the panel.
- This product comes with NO protective film to be removed by the user! Any mechanical damages to the product including removal of the polarizing film may affect the warranty!

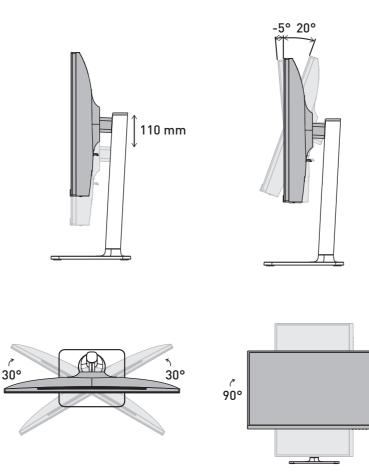


Adjusting the Monitor

This monitor is designed to maximize your viewing comfort with its adjustment capabilities.

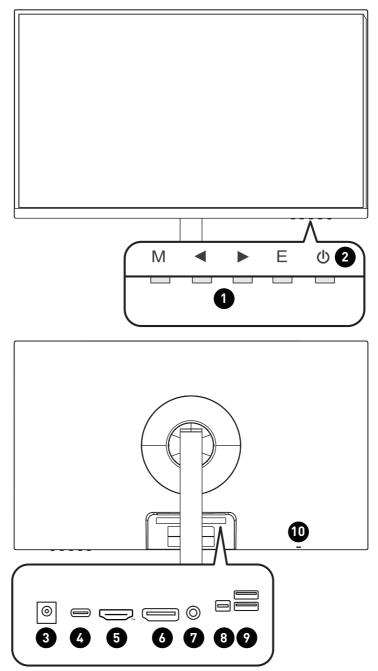
Important

- Avoid touching the display panel when adjusting the monitor.
- Please slightly tilt the monitor backwards before pivoting it.



্ 90°

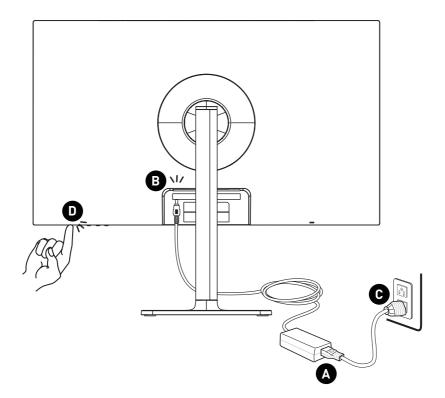
Monitor Overview



0	OSD Keys	
2	Power Button & Power LED Lit in white after the monitor is turned on. If no signa turn into orange. Lit in orange when the monitor is in	
3	Power Jack	
6	USB Type-C Port This port supports DisplayPort Alternate (DP Alt) Mode and up to 20V/3.25A (65W) power delivery.	USB Type-C Power Delivery 5V / 3A (15W) 9V / 3A (27W)
	Your USB-C Port signal source and cable must support DisplayPort Alternate Mode to enable video output to the monitor.	12V / 3A (36W) 15V / 3A (45W) 20V / 3.25A (65W)
5 6	HDMI™ Connector HDDMI™ Supports 2560x1440@100Hz as specified in HDMI™ 2 DisplayPort Supports 2560x1440@100Hz as specified in DisplayP	
7	Headphone Jack	
8	USB 2.0 Type-B Upstream Port For USB Upstream Cable. To Mo Important Check the package for USB Upstream Cable and connect it to the PC and monitor. Once this cable is connected, the USB Type-A Downstream Ports on the monitor will be ready for use.	onitor To PC
9	USB 2.0 Type-A Port	
10	Kensington Lock	

Connecting the Monitor to PC

- 1. Turn off your computer.
- 2. Connect the video cable from the monitor to your computer.
- 3. Assemble the external power supply & power cord. (Figure A)
- 4. Connect the external power supply to the monitor power jack. (Figure B)
- 5. Plug the power cord into the electrical outlet. (Figure C)
- **6.** Turn on the monitor. (Figure D)
- 7. Power on the computer and the monitor will auto detect the signal source.



OSD Setup

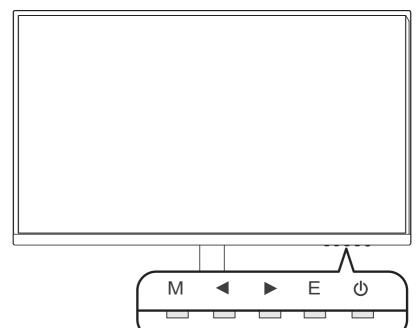
This chapter provides you with essential information on OSD Setup.



All information is subject to change without prior notice.

OSD Keys

The monitor comes with a set of OSD Keys that help to control the On-Screen Display (OSD) menu.



OSD Key	Hot Key (When OSD is OFF)	OSD Setup (When OSD is ON)
М	Activating the OSD Main Menu	Entering the submenus.Confirming a selection or setting.
	• Mode	 Navigating through function menus and items.
	Input Source	Adjusting function values.
Е	• Audio Volume	 Confirming the selection. Exiting the current menu.

OSD Menus

III <i>S</i> I	2560x1440 10	00 HZ	HDR	OFF	HDMI
Professional	Mode		~	Eco	
🐆 Image	Response Time			User	
→ Input Source	MPRT	OFF		sRGB	
形 Navi Key	Refresh Rate			Anti-Blue	
Setting	Alarm Clock			Movie	
	Eye-Q Check			Office	
	Screen Assistan	ce		Black-White	
	~	1			
FW .006		IIII Exit			Enter

Important

The following settings will be grayed out when HDR signals are received:

- Low Blue Light
- HDCR

- Contrast
- Color Temperature

• Brightness

Professional

1st Level Menu	2nd/3rd Level Menu	Description
Mode	Eco	Use Up or Down Button to select and preview
	User	mode effects.Press the E Button to confirm and apply your
	sRGB	mode type.
	Anti-Blue	• The default setting "Eco" mode meets the requirements of TÜV Rheinland's "Low Blue
	Movie	Light" standard and Eyesafe certification.
	Office	
	Black-White	
Response Time	Normal	Setting to Fastest will reach the shortest
	Fast	response time and help improve blurred images when playing very fast games.
	Fastest	

1st Level Menu	2nd/3rd Lev	vel Menu	Description	
MPRT	OFF			en the refresh rate is over
	ON		 85 Hz. Activating MPRT will 	affect
			Affected Function	Function Status
			» Brightness » Response Time	Unable to select
			» HDCR » Adaptive-Sync	Set to OFF
			» Screen Size 1:1	Set to Auto
			» Type C PD Charge	Set to OFF & Unable to select
Refresh Rate	Location	Left Top		e in OSD Menu. Press the E
		Right Top	Button to confirm and Location.	d apply your Refresh Rate
		Left Bottom		and works at the Operating
		Right Bottom	System's preset Scre	en keiresn kale.
	OFF			
	ON			
Alarm Clock	Location	Left Top	 After setting the time, press the E Button to activate the timer. Users have to manually restore their preset 	
		Right Top		
		Left Bottom	Alarm Clock after any reconnection.	
		Right Bottom	reconnection.	
	OFF			
	15:00	00:01 ~ 99:59		
	30:00	_		
	45:00	_		
	60:00			
Eye-Q Check	OFF		Select OFF to disableActivating Eye-Q Chee	,
			Affected Function	Function Status
			» Info. On Screen	Set to OFF
	Amsler Grid		Select Amsler Grid to field.	check your central vision
	Astigmatism		Select Astigmatism to	o check your blurred vision.
	Posture Cor	rection	 Select Posture Correposture when sitting. 	ction to improve your

1st Level Menu	2nd/3rd Level Menu	Description	
Screen Assistance	None • Users can adjust Screen Assistance in		een Assistance in any
	[+] [+] + + *** *** *** *** () ()	mode.	
кум	Auto	Auto allows the monitor to automatically	
	Upstream	between USB input so mice or other USB de	ources, such as keyboards, vices.
	Туре С	 Users can also design Type-C as the only US 	nate Upstream port or USB SB signal source.
Screen Size	Auto		een Size in any mode, any
	4:3	resolution and any screen refresh rate.	
	16:9		
Adaptive-Sync	OFF	• Adaptive-Sync prevents screen tearing.	
	ON	Activating Adaptive-S	ync will affect:
		Affected Function	Function Status
		» MPRT	Set to OFF
		» Screen Size 1:1	Set to Auto

Image

1st Level Menu	2nd/3rd Level Menu	Description
Brightness	0-100	 Properly adjust Brightness according to the surrounding lighting.
Contrast	0-100	• Properly adjust Contrast to relax your eyes.
Sharpness	0-5	 Sharpness improves clarity and details of images.
Image	OFF	• Image Enhancement enhances image edges to
Enhancement	Weak	improve their acutance.
	Medium	
	Strong	
	Strongest	

1st Level Menu	2nd/3rd Level M	enu	Description	
Low Blue Light	OFF ON		light. When enabled, I	Low Blue Light. Blue Light backlight rease the blue light
HDCR	OFF ON		 HDCR enhances image contrast of images. Activating HDCR will a Affected Function Brightness MPRT 	e quality by increasing the affect: Function Status Unable to select Set to OFF
Color Temperature	Cool Normal Warm Customization	R (0-100) G (0-100) B (0-100)	 Use Up or Down Butto mode effects. Press the E Button to mode type. Users can adjust Colo Customization mode. 	confirm and apply your

Input Source

1st Level Menu	2nd Level Menu	Description
HDMI™		• Users can adjust Input Source in any mode.
DP		
Туре С		
Auto Scan	OFF	Users can use the Navi Key to select Input Source at helow status:
	ON	 While "Auto Scan" is set to "OFF" with the monitor at power saving mode;
		 While "No Signal" message box is shown on the monitor.

Navi Key

1st Level Menu	2nd Level Menu	Description
Enter	OFF	• All Navi Key items can be adjusted via OSD Menus.
Left	Brightness	
Right	Mode	
	Alarm Clock	
	Input Source	
	Refresh Rate	
	Info. On Screen	
	Audio Volume	
	KVM	

Setting

1st Level Menu	2nd Level Menu	Description
Language	繁體中文	• Users have to press the E Button to confirm and apply
	English	the Language setting. • Language is an independent setting. Users' own
	Français	language setting will override the factory default. When
	Deutsch	users set Reset to Yes, Language will not be changed.
	Italiano	
	Español	
	한국어	
	日本語	
	Русский	
	Português	
	简体中文	
	Bahasa Indonesia	
	Türkçe	
	(More languages coming soon)	
Transparency	0~5	• Users can adjust Transparency in any mode.
OSD Time Out	5~30s	• Users can adjust OSD Time Out in any mode.
Power Button	OFF	• When set to OFF, users can press the power button to turn off the monitor.
	Standby	 When set to Standby, users can press the power button to turn off the panel and backlight.

1st Level Menu	2nd Level Menu	Description		
HDMI™ CEC	OFF	 HDMI[™] CEC (Consumer Electronics Control) supports Sony PlayStation[®], Nintendo[®] Switch[™], Xbox Series 		
	ON	X S consoles and various audio-visual devices that are CEC-capable.		
		• If HDMI [™] CEC is set to ON:		
		 The monitor will automatically power on when the CEC device is turned on. 		
		 The CEC device will enter power saving mode when the monitor is turned off. 		
		 When Sony PlayStation[®], Nintendo[®] Switch[™], or Xbox Series X S console is connected, Mode will be automatically set to Eco mode (Default) and can be adjusted to users' preferred modes later. 		
Type C PD Charge	OFF	• Type C PD Charge enables users to charge their		
	ON	devices through a USB Type-C connector, which can deliver up to 65W (20V/3.25A).		
Info. On Screen	OFF	• The information of the monitor status will be shown on		
	ON	the right side of the screen.Users can enable or disable the Info. On Screen.		
Audio Volume	0-100	• Users can adjust Audio Volume in any mode.		
Reset	YES	Users can Reset and restore settings to original OSD		
	NO	Default in any mode.		

Specifications

Monitor	Modern MD272QXP Modern MD272QXPW		
Size	27 inch		
Curvature	Flat		
Panel Type	IPS		
Resolution	2560 x 1440 (WQHD)		
Aspect Ratio	16:9		
Duinkanse	• Typical SDR: 400 nits		
Brightness	• Peak HDR: 400 nits		
Contrast Ratio	1000:1		
Refresh Rate	100Hz		
D	4ms (GTG)		
Response Time	1ms (MPRT)		
	• DisplayPort x1		
	• HDMI™ Connector x1		
1/0	• USB Type-C Port x1		
	• USB 2.0 Type-A Port x2		
	USB 2.0 Type-B Upstream Port x1		
	• Headphone Jack x1		
View Angles	178°(H) , 178°(V)		
DCI-P3*/ sRGB	92% / 115%		
Surface Treatment	Anti-glare		
Display Colors	1.07B 10bits (8bits + FRC)		
Speaker	3W x2		
Monitor Power Options	19V ==== 5.79A		
External Power Supply Specs	Model: ADS-110CL-19-3 190110G		
Power Input	100~240Vac, 50~60Hz, 1.5A Max		
Power Output	19V === 5.79A		
Adjustment (Height)	0 ~ 110mm		
Adjustment (Tilt)	-5° ~ 20°		
Adjustment (Swivel)	-30° ~ 30°		
Adjustment (Pivot)	-90° ~ 90°		

Monitor		Modern MD272QXP Modern MD272QXPW		
Kensington Lock		Yes		
VESA Mounting		• Plate Type: 75 x 75 mm		
		• Screw Type: M4 x 10 mm		
		 Thread Diameter: 4 mm 		
		 Thread Pitch: 0.7 mm 		
		• Thread Length: 10 mm		
Dimension (W x D x H)		613.5 x 200.8 x 413.3 mm		
Weight	Net	5.85 Kg		
	Gross	8.15 Kg		
Environment	Operating	• Temperature: 0°C to 40°C		
		• Humidity: 20% to 85%, non-condensng		
		• Altitude: 0 ~ 5000m		
	Storage	• Temperature: -20°C to 60°C		
		• Humidity: 10% to 90%, non-condensing		

* Based on CIE1976 test standards.

Preset Display Modes

Important

All information is subject to change without prior notice.

Standard	Resolution		Modern MD272QXP Modern MD272QXPW	
Stanuaru			HDMI™	DP USB-C
Full HD	1920x1080	@60Hz	V	V
QHD	2560x1440	@60Hz	V	V
		@85Hz	V	V
		@100Hz	V	V
Video Timing Resolution	720P		V	V
	1080P	@60Hz	V	V

Troubleshooting

The power LED is off.

- Press the monitor power button again.
- Check if the monitor power cable is properly connected.

No image.

- Check if the computer graphics card is properly installed.
- Check if the computer and monitor are connected to electrical outlets and are turned on.
- Check if the monitor signal cable is properly connected.
- The computer may be in Standby mode. Press any key to activate the monitor.

The screen image is not properly sized or centered.

• Refer to Preset Display Modes to set the computer to a setting suitable for the monitor to display.

No Plug & Play.

- Check if the monitor power cable is properly connected.
- Check if the monitor signal cable is properly connected.
- Check if the computer and graphics card are Plug & Play compatible.

The icons, font or screen are fuzzy, blurry or have color problems.

- Avoid using any video extension cables.
- Adjust brightness and contrast.
- Adjust RGB color or tune color temperature.
- Check if the monitor signal cable is properly connected.
- Check for bent pins on the signal cable connector.

The monitor starts flickering or shows waves.

- Change the refresh rate to match the capabilities of your monitor.
- Update your graphics card drivers.
- Keep the monitor away from electrical devices that may cause electromagnetic interference (EMI).

Safety Instructions

- Read the safety instructions carefully and thoroughly.
- All cautions and warnings on the device or User Guide should be noted.
- Refer servicing to qualified personnel only.

Power

- Make sure that the power voltage is within its safety range and has been adjusted properly to the value of 100~240V before connecting the device to the power outlet.
- If the power cord comes with a 3-pin plug, do not disable the protective earth pin from the plug. The device must be connected to an earthed mains socket-outlet.
- Please confirm the power distribution system in the installation site shall provide the circuit breaker rated 120/240V, 20A (maximum).
- Always disconnect the power cord or switch the wall socket off if the device would be left unused for a certain time to achieve zero energy consumption.
- Place the power cord in a way that people are unlikely to step on it. Do not place anything on the power cord.
- If this device comes with an adapter, use only the MSI provided AC adapter approved for use with this device.

Environment

- To reduce the possibility of heat-related injuries or of overheating the device, do not place the device on a soft, unsteady surface or obstruct its air ventilators.
- Use this device only on a hard, flat and steady surface.
- To prevent the device from tipping over, secure the device to a desk, wall or fixed object with an anti-tip fastener that helps to properly support the device and keep it safe in place.
- To prevent fire or shock hazard, keep this device away from humidity and high temperature.
- Do not leave the device in an unconditioned environment with a storage temperature above 60°C or below -20°C, which may damage the device.
- The maximum operating temperature is around 40°C.
- When cleaning the device, be sure to remove the power plug. Use a piece of soft cloth rather than industrial chemical to clean the device. Never pour any liquid into the opening; that could damage the device or cause electric shock.
- Always keep strong magnetic or electrical objects away from the device.

- If any of the following situations arises, get the device checked by service personnel:
 - The power cord or plug is damaged.
 - Liquid has penetrated into the device.
 - The device has been exposed to moisture.
 - The device does not work well or you can not get it working according to the User Guide.
 - The device has dropped and damaged.
 - The device has obvious sign of breakage.

TÜV Rheinland Certification

TÜV Rheinland Low Blue Light Certification

Blue light has been shown to cause eye fatigue and discomfort. MSI now offers monitors with TÜV Rheinland Low Blue Light certification to ensure users' eye comfort and well-being. Please follow the instructions below to reduce the symptoms from extended exposure to the screen and blue light.

- Place the screen 20 28 inches (50 70 cm) away from your eyes and a little below eye level.
- Consciously blinking the eyes every now and then will help to reduce eye strain after extended screen time.
- Take breaks for 20 minutes every 2 hours.
- Look away from the screen and gaze at a distant object for at least 20 seconds during breaks.
- Make stretches to relieve body fatigue or pain during breaks.
- Turn on the optional Low Blue Light function.

TÜV Rheinland Flicker Free Certification

- TÜV Rheinland has tested this product to ascertain whether the display produces visible and invisible flicker for the human eye and therefore strains the eyes of users.
- TÜV Rheinland has defined a catalogue of tests, which sets out minimum standards

at various frequency ranges. The test catalogue is based on internationally applicable standards or standards common within the industry and exceeds these requirements.

- The product has been tested in the laboratory according to these criteria.
- The keyword "Flicker Free" confirms that the device has no visible and invisible flicker defined in this standard within the range of 0 3000 Hz under various brightness settings.
- The display will not support Flicker Free when Anti Motion Blur/MPRT is enabled. (The availability of Anti Motion Blur/MPRT varies by products.)

ENERGY STAR Certification

ENERGY STAR is a program run by the U.S. Environmental Protection Agency (EPA) and U.S. Department of Energy (DOE) to promote energy efficiency. This product qualifies for ENERGY STAR in the "factory default" settings through which power savings will be achieved. Changing the factory default picture settings or enabling other features will increase power consumption, which could exceed the limits necessary to qualify for ENERGY STAR rating.

For more information on ENERGY STAR, refer to https://www.energystar.gov/.



Low Blue Light (Hardware Solution)

www.tuv.com

TÜVRheinland

CERTIFIED



Regulatory Notices

CE Conformity

This device complies with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating to Electromagnetic Compatibility (2014/30/EU), Low-voltage Directive (2014/35/EU), ErP Directive (2009/125/EC) and RoHS directive

(2011/65/EU). This product has been tested and found to comply with the harmonized standards for Information Technology Equipment published under Directives of Official Journal of the European Union.

FCC-B Radio Frequency Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy



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and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the measures listed below:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

Notice 1

The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Notice 2

Shielded interface cables and AC power cord, if any, must be used in order to comply with the emission limits.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1. This device may not cause harmful interference, and
- **2.** This device must accept any interference received, including interference that may cause undesired operation.

MSI Computer Corp.

901 Canada Court, City of Industry, CA 91748, USA (626) 913-0828 www.msi.com

WEEE Statement

Under the European Union ("EU") Directive on Waste Electrical and Electronic Equipment, Directive 2012/19/EU, products of "electrical and electronic equipment" cannot be discarded as municipal waste anymore and manufacturers of covered electronic equipment will be obligated to take back such products at the end of their useful life.



Chemical Substances Information

In compliance with chemical substances regulations, such as the EU REACH Regulation (Regulation EC No. 1907/2006 of the European Parliament and the Council), MSI provides the information of chemical substances in products at: https://csr.msi.com/global/index

RoHS Statement

Japan JIS C 0950 Material Declaration

A Japanese regulatory requirement, defined by specification JIS C 0950, mandates that manufacturers provide material declarations for certain categories of electronic products offered for sale after July 1, 2006.

https://csr.msi.com/global/Japan-JIS-C-0950-Material-Declarations

India RoHS

This product complies with the "India E-waste (Management and Handling) Rule 2016" and prohibits use of lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers in concentrations exceeding 0.1 weight % and 0.01 weight % for cadmium, except for the exemptions set in Schedule 2 of the Rule.

Turkey EEE Regulation

Conforms to the EEE Regulations of the Republic Of Turkey

Ukraine Restriction of Hazardous Substances

The equipment complies with requirements of the Technical Regulation, approved by the Resolution of Cabinet of Ministry of Ukraine as of 10 March 2017, \mathbb{N}° 139, in terms of restrictions for the use of certain dangerous substances in electrical and electronic equipment.

Vietnam RoHS

As from December 1, 2012, all products manufactured by MSI comply with Circular 30/2011/TT-BCT temporarily regulating the permitted limits for a number of hazardous substances in electronic and electric products.

Green Product Features

- Reduced energy consumption during use and stand-by
- Limited use of substances harmful to the environment and health
- Easily dismantled and recycled
- Reduced use of natural resources by encouraging recycling
- Extended product lifetime through easy upgrades
- Reduced solid waste production through take-back policy

Environmental Policy

- The product has been designed to enable proper reuse of parts and recycling and should not be thrown away at its end of life.
- Users should contact the local authorized point of collection for recycling and disposing of their end-of-life products.
- Visit the MSI website and locate a nearby distributor for further recycling information.
- Users may also reach us at gpcontdev@msi.com for information regarding proper disposal, take-back, recycling, and disassembly of MSI products.

Warning!

Overuse of screens is likely to affect eyesight.

Recommendations:

- 1. Take a 10-minute break for every 30 minutes of screen time.
- Children under 2 years of age should have no screen time. For children aged 2 years and over, screen time should be limited to less than one hour per day.

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Technical Support

If a problem arises with your product and no solution can be obtained from the user's manual, please contact your place of purchase or local distributor. Alternatively, please visit https://www.msi.com/support/ for further guidance.

