



AMD Radeon™ R7 360 Graphics Card

User Guide

Part Number: 55724_enu_1.00

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Note: This product is for use only with compatible UL-listed personal computers that have installation instructions detailing user installation of this class of product.

Read all instructions before beginning installation. All safety and installation instructions should be read before the product is installed or operated.

Retain all instructions. Safety, installation, and operating instructions should be retained for future reference.

Heed all warnings. All warnings regarding the product and its operating instructions should be obeyed.

Use appropriate grounding.

Caution:

[Where applicable] For continued protection against the risk of electric shock and fire, install this accessory only in products equipped with a three-wire grounding plug, a plug having a third (grounding) pin. This is a safety feature. Do not remove the grounding pin of a three-pin plug.

Attach product securely. All product-securing screws or fasteners should be completely tightened in order to provide continuous bonding between the product and the PC chassis, as appropriate.

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Chapter 1

Getting Started

Before you begin installing your new AMD Radeon™ R7 360 graphics card (P/N: 102-C766xx-xx), please make sure you have the proper system requirements and have completed the required preinstallation tasks as outlined in this chapter.

1.1 System Requirements

1.1.1 Requirements for Single-card Installations

Minimum requirements for installing a single AMD Radeon™ R7 360 graphics card:

- PCI Express® based PC with one ×16 lane graphics slot available on the motherboard. For PCIe® 3.0 capabilities, a PCIe 3.0 compliant motherboard is required.
- 500-watt or better power supply with one 6-pin PCIe power connector.
For a list of AMD-recommended power supplies, see support.amd.com/us/certified/power-supplies/Pages/listing.aspx.
- 4 GB of system memory.
- 64-bit Windows® 10, Windows® 8.1, Windows® 7, or Linux® operating system. A Windows operating system is recommended for full feature functionality.
- A CD-ROM drive, keyboard, mouse, and display are required for software installation.
- A DVD drive is required for DVD playback.
- A Blu-ray drive and Blu-ray disc are required for Blu-ray playback.

1.1.2 Requirements for AMD CrossFire™ Technology

A second AMD Radeon™ R7 360 graphics card can be installed in a AMD CrossFire™ configuration for added graphics performance and power. For more information, see [Chapter 4 AMD CrossFire Technology \(p. 11\)](#).

Minimum requirements for installing an additional graphics card for AMD CrossFire configuration:

- A second AMD Radeon™ R7 360 graphics card.
- AMD CrossFire certified motherboard. For a list of AMD-recommended motherboards, see support.amd.com/us/certified/Pages/certified-components.aspx.

- One AMD CrossFire internal bridge interconnect per additional board (included).
- 600-watt or better power supply with two 6-pin power connectors.
- 8 GB (or greater) of system memory is recommended.
- System case that allows for good airflow and cooling (highly recommended).

1.2 Recording Serial Numbers

The serial number and 102 part number on the graphics card are required for product registration and warranty (proof of purchase may be required). They are located on a sticker on the back of the graphics card and are shown in boldface and underlined in the illustration below.

Record these numbers in the space provided below and retain for future use.

1. Remove the graphics card from packing.
2. Locate the white label on the back of the graphics card.
3. Record the serial number and 102 part number.

Figure 1-1 Typical Serial Number and 102 Part Number Arrangement



1	Serial number (S/N)
2	102 part number (P/N)

Chapter 2

Hardware and Software Installation

This chapter details how to install your graphics card in your system as well as where to download associated software and drivers.

2.1 Installation Overview

Once you have determined that your system meets the minimum requirements, perform the following tasks to install your new graphics card. Detailed installation instructions are provided in the following sections.

1. If you are replacing an existing graphics card, uninstall the old graphics driver and software.

Note: If you are using a motherboard containing an on-board graphics solution and do not intend to use it as part of a multiple monitor configuration, disable it.

2. Turn off and disconnect your computer system.
3. If needed, remove any old graphics card(s).
4. Install the new graphic card.
5. Reassemble and connect your computer system and display(s).
6. Start the computer system and install the new AMD drivers and configuration software.
7. Restart the computer system.

2.2 Installing the Graphics Card

1. Turn off the computer, monitor(s), and other peripheral devices.
2. Unplug the computer's power cord, and then disconnect all cables from the back of the computer.

Caution:

Wait approximately 20 seconds after unplugging the power cord before disconnecting a peripheral cable or removing a component from the motherboard to avoid possible damage to the motherboard.

3. Remove the cover to the computer's case.

Note: If necessary, consult the computer manual for help in removing the cover.

Caution:

Static electricity can seriously damage computer components. Discharge your body's static electricity by touching the power supply or the metal surface of the computer chassis before you touch any components inside the computer's case to avoid damaging them.

4. Unscrew or unfasten and remove any existing graphics card from the computer, if necessary.
5. Locate the appropriate bus slot and, if necessary, remove the corresponding metal backplate cover(s). Make sure all internal cables are clear of the slot.

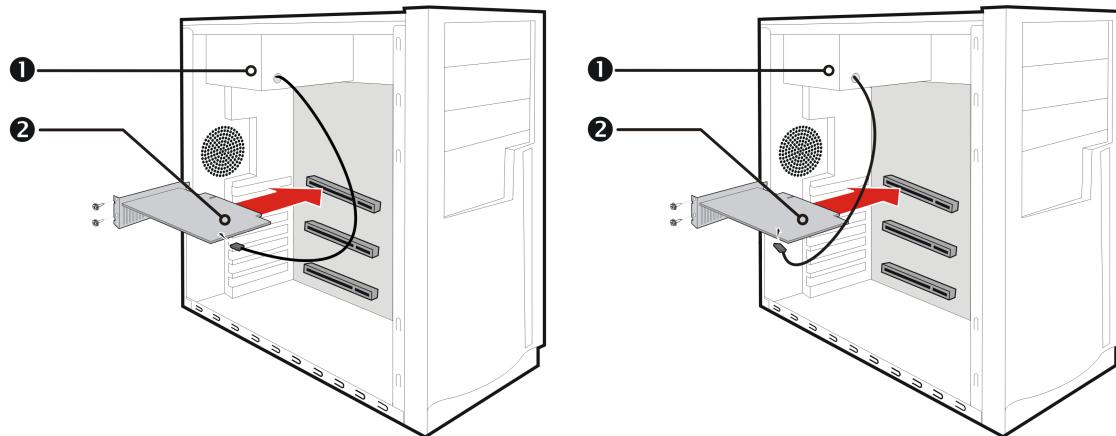
Note: If you cannot find a bus slot to match the card, you need a graphics card with the correct bus to match the motherboard.

6. Align the graphics card with the slot and press it in firmly until the card is fully seated.
7. If your card requires supplementary power and must be connected directly to the power supply, locate the appropriate power connector cable(s) from the power supply and connect it (or them) to the graphics card's supplementary power connector(s).

Note: If applicable, before installing a card that requires a supplementary power connection, make sure your existing power supply has such a connection available.

Tip: The location of power connections may vary between models. They can be located on either the side or back of the card.

Figure 2–1 Possible Power Connection Locations on the Graphics Card



1	Power supply
2	Graphics card

8. Fasten the graphics card securely to the back panel.
9. Make sure no internal cables are interfering with components inside the computer (for example, a cooling fan), and then replace the computer cover.

10. Reconnect any cables you have disconnected during installation, and then plug in the computer's power cord.
11. Turn on the monitor, and then the computer.

If you have properly installed the graphics card, the computer should start normally. Proceed to install the software and drivers for your AMD Radeon™ R7 360 graphics card.

2.3 AMD Drivers and Software

Drivers are small but important programs that enable an operating system to communicate with a piece of hardware, such as a graphics card.

When you install a new graphics card, you must also install the appropriate AMD driver and configuration software for your card to take full advantage of the capabilities of your card. You should also reinstall AMD drivers each time you reinstall or upgrade your operating system.

The latest drivers are available from AMD's Web site at <http://support.amd.com>.

Note: When reinstalling drivers, always uninstall any previous drivers that are on your system, even if they are for the same graphics card. Always start "fresh."

Included with your driver installation is AMD Radeon™ Settings which is a software application that lets you control and manage your graphics product. Using AMD Radeon Settings, you can adjust display, video, and other graphics features, including AMD Eyefinity, AMD CrossFire™, and AMD OverDrive™ technology.

Chapter 3

Display Configuration

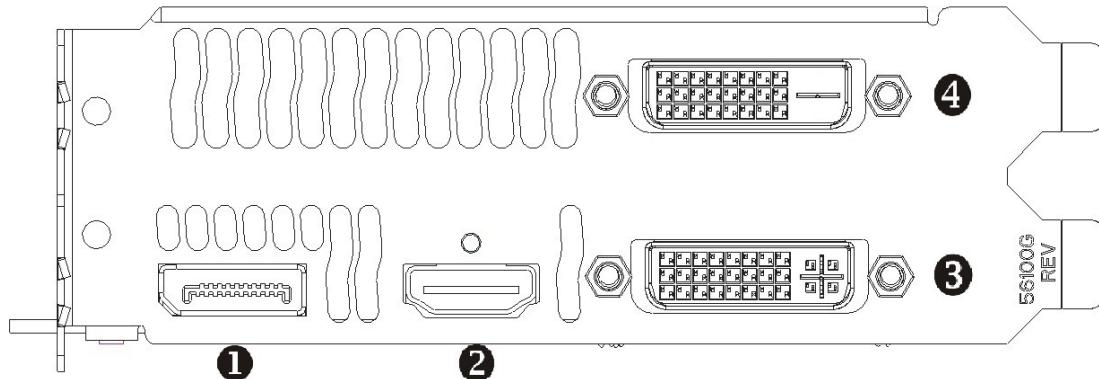
This section describes how to configure displays and lists available display connections for your graphics card.

3.1 Baseplate Connections

The following figure shows the display connections that are available on your AMD Radeon™ R7 360 graphics card.

Note: The baseplate may not appear exactly as depicted.

Figure 3–1 AMD Radeon™ R7 360 Display Connections



1	DisplayPort 1.2a connection. Carries video and audio signals to DisplayPort-compliant devices.
2	HDMI™ connection. Carries video and audio signals to HDMI-compliant devices.
3	Dual-link DVI-I connection. Provides video analog and digital signals.
4	Dual-link DVI-D connection. Provides video digital signals.

3.2 Display Adapters

Adapters can be used to connect displays that are not directly supported by the connection types available on your graphics card.

When connecting displays to a DisplayPort connection, the type of adapter and display that you use may determine the number of displays that can be used with your graphics card.

- An active adapter allows a non-DisplayPort display to be connected to a DisplayPort connection using DisplayPort signals.
- A passive adapter also allows a non-DisplayPort display to be connected to a DisplayPort connection but using non-DisplayPort signals.
- Transmission of audio and video information between variants of the same connection type (for example, Mini DisplayPort to standard DisplayPort and vice versa) are considered to be native, active connections.

More information on the number and type of displays that can be supported by your graphics card is provided in the following sections.

3.3 Connecting Displays

The AMD Radeon™ R7 360 graphics card provides hardware support for up to six displays and can support Ultra HD resolutions via the DisplayPort and HDMI connections.

Up to six DisplayPort displays can be connected and controlled independently using DisplayPort 1.2 multi-stream transport (MST) hubs or daisy-chain configurations. Hubs and displays in this setup must be capable of the DisplayPort 1.2 standard.

The following table lists options for attaching displays to your graphics card. The types of display configurations that can be used depend on the display connections that are available on your graphics card.

For best graphics performance and quality, always use native connections, when available.

Note: Adapters/dongles that are not provided with your graphics cards can also be purchased from AMD's Web site or through your local AMD resellers.

Table 3-1 Display Configurations

Display	Connections
CRT analog display	<ul style="list-style-type: none">• DVI-I/D connection and DVI-to-VGA adapter• DisplayPort connection and DisplayPort-to-VGA adapter
LCD display	<ul style="list-style-type: none">• DVI-I/D connection and DVI cable• DVI-I/D connection and DVI-to-VGA adapter• DisplayPort connection and DisplayPort cable• DisplayPort connection and DisplayPort-to-DVI adapter
HDTV display	<ul style="list-style-type: none">• DVI-I/D connection and DVI cable• DisplayPort connection and DisplayPort-to-DVI adapter
HDMI HDTV	<ul style="list-style-type: none">• HDMI connection and HDMI cable• DVI-I/D connection and DVI-to-HDMI adapter and HDMI cable• DisplayPort connection and DisplayPort-to-HDMI adapter

Once displays are connected to the graphics card, you can control how they are currently configured using the AMD Radeon™ Settings software application that is available with your AMD graphics driver.

3.3.1 Sample Display Configurations

The following table shows some examples of multiple display configurations that are possible with your graphics card; (A) indicates an active adapter is used and (P) indicates a passive adapter is used. Display abbreviations are DP = DisplayPort, mDP = Mini DisplayPort, SDVI = single-link DVI, and dDVI = dual-link DVI.

Table 3-2 Sample Display Configurations

Sample Display Configuration	HDMI Connector	DP Connector	dDVI-I Connector	dDVI-D Connector	Total Output
DPx6	-	6 displays via DP 1.2 MST-capable hub or daisy chain	-	-	6
HDMI, DP, dDVI, dDVI	Native	Native	Native	Native	4
dDVI, dDVI, dDVI	-	DP-to-DVI (A)	Native	Native	3
VGA, dDVI	-	DP-to-VGA (A)	Native	-	2
DP, HDMI	-	Native	DP-to-HDMI (P)	-	2

3.4 Using Adapters

The following procedure describes how to connect a display to your graphics card using an adapter.

1. Turn off your computer and display.
2. Plug the adapter into the connection from your AMD Radeon graphics card and tighten the thumbscrews (if there are any).
3. Connect your display's cable to the adapter and tighten the thumbscrews (if there are any).
4. Turn on your display first, then your computer.

Chapter 4

AMD CrossFire™ Technology

Note: AMD CrossFire™ technology features are available only for systems installed with more than one compatible AMD Radeon™ graphics cards and are intended for applications running in full-screen mode.

4.1 AMD CrossFire™ Overview

AMD CrossFire technology is designed to enhance the graphics quality and performance of 3D games and applications by combining the processing power of multiple AMD Radeon graphics cards, essentially creating a multi-GPU performance gaming platform. A typical AMD CrossFire setup involves two graphics cards.

For more information, visit the AMD CrossFire technology Web page at <http://sites.amd.com/us/game/technology/Pages/crossfirex.aspx>.

4.2 Installing Additional Graphics Cards for AMD CrossFire™

Before installing an additional graphics card, make sure that your system meets the recommended system requirements for AMD CrossFire technology. If needed, consult your system builder or OEM to confirm that your system has an adequate power supply.

For optimal performance, it is recommended that each AMD Radeon™ R7 360 graphics card be separated by at least one empty expansion slot. For more information, see the installation instructions for your graphics card.

4.3 Enabling and Configuring AMD CrossFire™

Once all your graphics cards are properly installed, you can begin enabling and configuring AMD CrossFire technology support using the AMD Radeon software application, which is a component of the AMD graphics driver that can be downloaded from the Drivers and Support page at <http://support.amd.com>.

When AMD CrossFire is enabled, the graphics processor in one of the cards acts as the primary processor; this card is known as the primary graphics card. Graphics-rendering tasks are shared between all available processors to accelerate displays that are connected to the primary card. By default, displays that are connected to other graphics cards are disabled but may be enabled by unlocking them.

Note that AMD CrossFire technology can be used with AMD Eyefinity technology; however, displays must be connected to the primary graphics card.

Chapter 5

Reference

The following section offers troubleshooting tips and provides customer care, warranty, and compliance information.

5.1 Troubleshooting

Note: Some troubleshooting tips may not be applicable depending on the display options supported by and configured for your card.

5.1.1 Graphics Card Installation Troubleshooting

For more advanced troubleshooting information, contact AMD Customer Care at <http://support.amd.com>.

5.1.1.1 The graphics card doesn't fit any of the motherboard slots.

The graphics card needs to be exchanged for one with a bus that matches the motherboard.

For more information on bus types, see knowledgebase article [GPU-59: How to Install AMD Graphics Hardware](#).

5.1.1.2 The computer beeps and the boot process stops.

Make certain that the graphics card is properly connected to the internal power supply and the motherboard.

5.1.1.3 No display on power up.

Try these possible solutions:

- Verify that the monitor is connected properly to the computer and a power supply.
- Verify that the power supply meets the minimum system requirements.
- Reconnect all the hardware device cables that were removed during the installation of the graphics card.
- If any adapters or video switches are being used, remove them and connect the displays directly to the graphics card.
- Check the motherboard manufacturer's Web site for an SBIOS update.
- Turn off the on-board video.

- Install a different graphics card. If there are no display issues, then the graphics card in question may be defective.
- If your motherboard has on-board graphics capabilities, you may need to disable them. Consult your motherboard documentation for more information.

Note: Some manufacturers do not allow the on-board graphics to be disabled or to become the secondary display.

For more troubleshooting tips, see knowledgebase article [737-22472: How to Troubleshoot No Display on Re-start Issues](#).

5.1.1.4 The computer does not boot up properly.

Verify that the installation instructions were followed correctly.

Make certain that the graphics card is properly connected to the power supply and the motherboard.

For Windows® operating systems, restart your system in Safe Mode. Use Windows Device Manager to remove any graphics driver entries under **Display Adapters** and restart your system.

Check the system configuration utility for interrupt assignments.

5.1.1.5 During software installation on a Windows® OS, the screen goes blank.

The software is still installing. Wait 20–30 minutes to make sure the software has finished installing and then restart the computer.

5.1.1.6 Applications are hanging or there is no display after boot up.

Make certain that the graphics card is installed correctly and is properly connected to the motherboard and power supply (if applicable).

Verify that the power supply meets the minimum system requirements.

5.1.2 Troubleshooting AMD CrossFire™

The following are suggested solutions for common AMD CrossFire™ troubleshooting issues.

5.1.2.1 Change Motherboard BIOS Settings

Some motherboards may have a system BIOS option to switch between single and dual PCIe slot support. The default setting may be single slot support. Refer to the motherboard's manual for information to enable dual PCIe slot support.

For more information, see the AMD CrossFire Web page at http://game.amd.com/us-en/crossfirex_about.aspx.

5.1.2.2 Use Graphics Cards with Different Amounts of Memory

In some AMD CrossFire configurations, graphics cards with different amounts of memory can be used; however, restarting your computer is required after enabling AMD CrossFire. This will cause AMD CrossFire to reduce the amount of memory on the card with the most amount of memory to match the memory size of the graphics card with the least amount of memory.

Clicking **OK** to the memory mismatch error message will restart your computer.

Note: When disabling AMD CrossFire you will be given the option to restart your computer to restore the original graphics memory size or continue with the reduced memory size.

5.1.2.3 Card Reversal Recommended

A recommendation message to reverse the graphics card positions may appear if the primary graphics card is not installed into the primary PCIe slot. Although AMD CrossFire can be enabled, performance may be improved by reversing the graphics cards in the computer.

See your motherboard's manual to determine which is the primary PCIe slot.

5.1.2.4 3D Client is Active

You will not be able to start AMD CrossFire if a 3D application, game, or video playback, such as a DVD movie, is running.

Close all open 3D applications, games, and movie player applications, and then enable AMD CrossFire.

5.1.2.5 AMD CrossFire™ is Currently Unavailable

This error has occurred because AMD CrossFire did not correctly detect your graphics hardware or there is a problem with the software.

- Check that the graphics cards are installed correctly.
- Close all running 3D applications.
- Check that the AMD CrossFire is enabled in Radeon Settings.
- Reinstall AMD graphics drivers.

5.1.2.6 Screen Rotation is Unavailable or Does Not Work

Screen rotation is not an available feature on AMD CrossFire systems.

5.1.2.7 Video Displays Flicker During System Startup

This is normal during AMD CrossFire startup.

5.1.2.8 AMD CrossFire™ Disabled after Swapping/Moving Cards

If you change the AMD CrossFire configuration by moving the graphics cards to different slots on the motherboard, disable AMD CrossFire and restore factory default settings in Radeon Settings (which comes with your AMD graphics driver) first. Once the cards have been swapped, enable AMD CrossFire. This ensures the new configuration is detected by the computer.

5.1.3 HDTV Adapter Troubleshooting

The following troubleshooting tips may help if you experience problems with HDTV.

More troubleshooting information can be found on the AMD Web site. Please visit <http://support.amd.com>.

5.1.3.1 There is a black border around the TV when using an HDMI™ connection.

Try adjusting the overscan/underscan of the TV. For more information, see knowledgebase article [GPU-72: Unable to Adjust a Digital Display to Match the Resolution of the Desktop](#).

5.1.3.2 There is no display on the TV.

The TV will not display anything until Windows starts; this may take several minutes. Make sure the TV is set to YPbPr input.

5.1.3.3 DVDs will not play in high-quality modes.

For displays connected using an analog connection, playback of CSS-protected DVDs may be restricted to certain modes.

For displays connected using a digital connection, playback on certain DVD players may also be restricted if HDCP (high-bandwidth content protection) cannot be enabled. This restriction also applies to displays connected using active DisplayPort adapters.

5.1.3.4 The display appears tilted.

Consult the HDTV documentation.

5.1.3.5 TVs/monitors connected cannot be enabled.

Check individual connections to the TVs/monitors.

If TVs and/or monitors connected using DisplayPort adapters, passive dongles, or active dongles cannot be enabled, visit <http://www.amd.com/eyefinity> to check the connectivity options available for your graphics card and that your chosen configuration is supported.

For a list of AMD Eyefinity validated dongles, see <http://support.amd.com>.

5.1.3.6 Required display resolution is missing/unavailable.

Make sure that:

- The desired resolution is supported for the display being used.
- The graphics driver has been properly installed.
- The connectors, cables, switches, and/or adapters connecting the display to the graphics card are compatible and correctly configured.

For more troubleshooting steps, see knowledgebase [GPU-10: Inability to Select a Specific Resolution for a Display Device](#).

5.2 Customer Care

The AMD Customer Care Web site has number of helpful resources, including a knowledgebase of FAQs and the AMD Radeon Workstation Graphics Web Ticket Submission Page.

The Web site is complimentary and available at all times. The address is <http://support.amd.com>.

5.2.1 Contact Information

If you experience difficulties with your AMD Radeon™ product, you can contact AMD Customer Care in the following ways.

The latest contact information and tips for faster service can be found on the AMD Global Technical Support page at <http://support.amd.com>.

5.2.2 Disclaimer

AMD Customer Care for Graphics Products will work to resolve your issue and help you to get your product up and running. If your issue is not resolved, our technicians will determine whether the difficulty you are experiencing is the result of the product, whether your product contains a defect, and whether your product is under warranty.

- AMD Customer Care is unable to assist with refunds, returns, or exchange-specific inquiries. If resolving the problem being experienced is critical to your decision to keep the product, it is your responsibility to ensure that you know and are within the period of time your reseller will allow for refunds, returns, or exchange.
- AMD is not responsible for any expense incurred accessing Customer Care. It is expected that customers will review the expense associated with the available support options and will choose the method that best meets their needs and budget.
- AMD Customer Care reserves the right to limit support options for products that are not registered or are reaching end of life.

5.3 International Compliance Information

This section details the worldwide compliance information for this product, which is manufactured to be compliant in the regions where it is sold.

AMD products are either Class A or Class B compliant and are indicated accordingly on the compliance label for each product. The following regulatory information applies to Class A and Class B products.

Any modifications to this device or its usage in an open chassis if not expressly approved by Advanced Micro Devices, Inc. may impact its compliance.

5.3.1 FCC Compliance Information (USA)

Class A

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

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with manufacturer's instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case, the user will be required to correct the interference at his own expense.

Warning:

Changes or modifications to this device not expressly approved by Advanced Micro Devices, Inc. could void the user's authority to operate the equipment.

FCC Part 15, Subpart B, Class A

Class B

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

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

This equipment has been tested and found to comply with the limits designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with manufacturer's instructions, 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 following measures:

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

The use of shielded cables for connection of the monitor to the graphics card is required to ensure compliance with FCC regulations. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Caution:

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

FCC 15, Subpart B, Class B

For further compliance information:

Advanced Micro Devices, Inc.
 1 AMD Place
 P.O. Box 3453
 Sunnyvale, CA 94088-3453
 USA Tel: 408-749-4000

5.3.2 Industry Canada Compliance Statement (Canada)

Class A

This Class A digital apparatus complies with Canadian ICES-003: CAN ICES-3(A)/NMB-3(A).

Cet appareil numérique de la Classe A est conforme à la norme CAN ICES-3(A)/NMB-3(A) du Canada

Class B

This Class B digital apparatus complies with Canadian ICES-003: CAN ICES-3(B)/NMB-3(B).

Cet appareil numérique de la Classe B est conforme à la norme CAN ICES-3(B)/NMB-3(B) du Canada.

5.3.3 CE Compliance Information (European Union)

Class A

Warning:

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

EMC Directive 2004/108/EC

CISPR 22/EN 55022—Class A: Limits and methods of measurement of radio disturbance characteristics of Information Technology Equipment.

CISPR 24/EN 55024—Information Technology Equipment—Immunity Characteristics—Limits and Methods of Measurements

Class B

EMC Directive 2004/108/EC

CISPR 22/EN 55022—Class B: Limits and methods of measurement of radio disturbance characteristics of Information Technology Equipment.

CISPR 24/EN 55024—Information Technology Equipment—Immunity Characteristics—Limits and Methods of Measurements

5.3.4 Electrical Safety

Europe: The Low Voltage Directive—2006/95/EC

- EN 60950-1—Safety of Information Technology Equipment

USA/Canada:

- UL 60950-1 (Information Technology Equipment—Safety—Part 1: General Requirements)
- CSA C22.2 No. 60950-1 (Information Technology Equipment—Safety—Part 1: General Requirements)

International:

- IEC 60950-1 (Information Technology Equipment—Safety—Part 1: General Requirements)

To meet UL safety requirements, the computer's maximum room temperature should not exceed 40 °C.

This product complies with the PCI Express 300W Electromechanical Specification — please refer to the manufacturer for additional information. Other relevant input power data will also be available.



5.3.5 VCCI ITE Compliance Information (Japan)

Class A

この装置は、クラス A 情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

VCCI-A

Translation:

This is a Class A product based on the standard of the VCCI Council. If this equipment is used in a domestic environment, radio interference may occur, in which case, the user may be required to take corrective actions.

VCCI V-3

Class B



この装置は、クラス B 情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。

取扱説明書に従って正しい取り扱いをして下さい。

VCCI-B

Translation:

This is a Class B product based on the standard of the VCCI Council. If this is used near a radio or television receiver in a domestic environment, it may cause radio interference. Install and use the equipment according to the instruction manual.

VCCI V-3

5.3.6 KC Certification Information (Korea)



Class A

A급 기기(업무용 방송통신기자재)

이 기기는 업무용(A급) 전자파적합기기로서 판매자 또는 사용자는 이 점을 주의하시기 바라며, 가정외의 지역에서 사용하는 것을 목적으로 합니다.

Translation:

"Class A" Equipment (Business purpose broadcast communications equipment)

As this equipment is an electromagnetic compatible product for business purposes (Class A), the seller and/or user is asked to beware of this point and ensure that the equipment is used outside of residential areas.

Class B

B급 기기 (가정용 방송통신기자재)

이 기기는 가정용(B급) 전자파적합기기로서 주로 가정에서 사용하는 것을 목적으로 하며, 모든 지역에서 사용할 수 있습니다.

Translation:

"Class B" Equipment (Household purpose broadcast communications equipment)

As this equipment is an electromagnetic compatible product for household purposes (Class B), it can be used in any area including residential areas.

5.3.7 BSMI Certification Information (Taiwan)

Class A

警告使用者：

這是甲類的資訊產品，在居住的環境中使用時，可能會造成射頻干擾，在這種情況下，使用者會被要求採取某些適當的對策。

Translation:

This is a Class A Information Product, when used in residential environment, it may cause radio frequency interference, under such circumstances, the user may be requested to take appropriate countermeasures.



CNS13438

Class B



CNS13438

5.3.8 RCM (Australia and New Zealand)



ACMA — Australian Communications and Media Authority

- Radiocommunications Act 1992 (Australia)—per notices of section 182
- AS/ NZS CISPR 22

5.3.9 Product Environmental Compliance

This product may carry a marking similar to those below that indicates its level of compliance with China RoHS standards.



For information on China RoHS, EU RoHS, or EU REACH compliance, please refer to [Product Environmental Compliance](#) on the AMD Web site.

5.3.10 Waste Electrical and Electronic Equipment (WEEE) Directive Compliance (European Union)

This product was manufactured by Advanced Micro Devices, Inc.



