AMD
AMD 7900 XT
Graphics Card

AMD 7900 XT Graphics Card Instructions

Contents

AMD

AMD 7900 XT Graphics Card

Specifications

- Compute Units: 84
- Boost Frequency: Up to 2400 MHz
- Game Frequency: 2000 MHz
- Ray Accelerators: 84
- AI Accelerators: 168
- Peak Pixel Fill-Rate: Up to 460 GP/s
- Peak Half Precision Compute Performance: 103 TFLOPs
- Peak Single Precision Compute Performance: 52 TFLOPs
- ROPs: 192
- Stream Processors: 5376
- Transistor Count: 58 B
- Typical Board Power (Desktop): 315 W
- Minimum PSU Recommendation: 750 W

Product Usage Instructions

Installation
Ensure your system meets the minimum power supply requirements. Insert the GPU into a compatible PCIe slot on your motherboard.

Driver Installation
Download the latest AMD Radeon drivers from the official support website. Install the drivers and follow on-screen instructions for setup.

Software Configuration
Explore the AMD Software: Adrenalin Edition to customize graphics settings, monitor performance, and access additional features.

Gaming Experience
Enjoy high-quality gaming experiences at 4K resolution and beyond with the AMD Radeon RX 7900 XT. Experience enhanced visuals and performance.

FAQ

- **Q: Can I use this GPU for VR gaming?**
    - A: Yes, the AMD Radeon RX 7900 XT supports VR gaming with its advanced technology and performance capabilities.
- **Q: How do I enable AMD FidelityFX Super Resolution?**
    - A: You can enable AMD FidelityFX Super Resolution in supported games through the AMD Radeon software settings for improved frame rates.
- **Q: What is the maximum memory size of the GPU?**
    - A: The AMD Radeon RX 7900 XT has a maximum memory size of 20 GB, providing ample space for high-resolution textures and data.

AMD Radeon™ RX 7900 XT

OVERVIEW TECHNOLOGIES SPECIFICATIONS

DRIVERS & SUPPORT (/EN/SUPPORT/GRAPHICS/AMD-RADEON-RX-7000-SERIES/AMD-RADEON-RX-7900-SERIES/AMD-RADEON-RX-7900XT)

Introducing the AMD Radeon™ RX 7900 XT

The Most Advanced Graphics for Gamers & Creators.
Built on the groundbreaking AMD RDNA™ 3 architecture with chaplet technology, AMD Radeon™ RX 7900 XT graphics deliver next-generation performance, visuals, and efficiency at 4K and beyond.

FIND RETAILERS (/EN/WHERE-TO-BUY/RADEON-RX-GRAPHICS)

BUY ON **AMD.COM** (**HTTPS://WWW.AMD.COM/EN/DIRECT-BUY**)

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Share your building experiences and gaming adventures.Enter sweepstakes and contest,and make new friends

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AMD Radeon™ RX 7900 XT

Technologies

OVERVIEW TECHNOLOGIES SPECIFICATIONS

AMD Software: Adrenalin Edition
Artfully Designed. Meticulously Crafted. Incredibly Intuitive.

LEARN MORE (/EN/TECHNOLOGIES/SOFTWARE)

AMD Radeon™ RX 7900 XT

OVERVIEW TECHNOLOGIES SPECIFICATIONS

AMD FidelityFX™ Super Resolution
Up to Double the Frames in Select Games

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OVERVIEW TECHNOLOGIES SPECIFICATIONS

AMD Noise Suppression
Reduce background audio noise from your surrounding environment.

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SEE MORE TECHNOLOGIES

Rendering Format
GPU specifications may vary by partner configuration. Please refer to partner websites for GPU specifications.

AMD Radeon™ RX 7900 XT

GPU

- **Compute Units:** 84
- **Boost Frequency** ❶: Up to 2400 MHz
- **Game Frequency** ❶ : 2000 MHz

Ray Accelerators: 84
AMD Radeon™ RX 7900 XT v

AI Accelerators: 168
OVERVIEW TECHNOLOGIES SPECIFICATIONS

Peak Pixel Fill-Rate: Up to 460 GP/s

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RX-7900- Series/AMD-RADEON-RX-7900XT)

- **Peak Half Precision Compute Performance**: 103 TFLOPs

- **Peak Single Precision Compute Performance:** 52 TFLOPs
- **ROPs:** 192
- **Stream Processors:** 5376
- **Transistor Count:** 58 B

Typical Board Power (Desktop): 315 W

GPU Memory

- **AMD Infinity Cache Technolog**y: 80 MB
- **Memory Speed**: Up to 20 Gbps
- **Max Memory Size**: 20 GB
- **Memory Type:** GDDR6
- **Memory Band**width: Up to 800 GB/s
- **Effective Memory Bandwidth**: Up to 2900 GB/s

Requirements

- **Typical Board Power (Desktop)**: 315 W
- **Minimum PSU Recommendation** 🛈 : 750 W

HDMI™ 4K Support: Yes
AMD Radeon™ RX 7900 XT

Supported Rendering Format

HDMI™ 4K Support: Yes

4K H264 Decode: Yes
OVERVIEW TECHNOLOGIES SPECIFICATIONS

4K H264 Encode: Yes
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RX-7900- Series/ADEON-RX-7900XT)

H265/HEVC Encode: Yes

- **AV1 Decode**: Yes
- **AV1 Encode:** Yes

Connectivity

- **DisplayPort**: 2.1
- **HDMI™**: 2.1
- **USB Type-C**: Yes

Dimensions

- **Length**: 276 mm
- **Slot Size:** 2.5 slots

Features

- Supported Technologies
- AMD Software: Adrenalin Edition AMD FidelityFX™ Super Resolution AMD Noise Suppression
- AMD Radeon™ Super Resolution AMD Smart Access Memory AMD Smart Access Video
- AMD Privacy View
- AMD Radeon™ Boost
- AMD Radeon™ Anti-Lag
- AMD Radeon™ Image Sharpening AMD Enhanced Sync Technology

AMD Resync™ Technology
AMD RadAeoMnD™ R Rid e7o9n00™ CT

AMD Virtual Super Resolution

OVERVIEW TECHNOLOGIES SPECIFICATIONS

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General

RX-7900-SERIES/AMD-RADEON-RX-7900XT)

- **Product Family**: AMD Radeon™ RX 7000 Series
- **Product Line:** AMD Radeon™ RX 7900 Series Type: Component
- **Launch Date:** 12/13/2022
- **OS Support:** Windows 11 – 64-Bit Edition Windows 10 – 64-Bit Edition Ubuntu x86 64-Bit Linux x86 64-Bit
- **Additional power connector**: 2×8-Pin Power Connectors

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Documents / Resources

	AMD 7900 XT Graphics Card [pdf] Instructions 7900 XT Graphics Card, 7900 XT, Graphics Card, Card

References

- ![Instagram] **AMD (@amd) • Instagram photos and videos**
- ![Twitch] **Twitch**
- **User Manual**