

CES 2025 Highlights: Must-See CPU and GPU Innovations

Description

In the first half of 2025, an exciting array of new products from AMD and Nvidia is set to launch. For comprehensive information, click [here](#) and for further AMD details, click [here](#).

AMD Ryzen 9 9950X3D: Described as AMD's fastest CPU to date, this chip features either 16 or 12 cores, specifically designed for creators and gamers. Notably, it promises an average of 8% improvement in gaming framerates and a 10% boost in various tasks.

AMD Ryzen AI Lineup: The Ryzen AI chip, while not an NPU, is optimized for versatile performance, including AI applications. The Ryzen AI 300 debuted in late 2024, and faster models, culminating in the Ryzen AI Max with up to 16 cores and 128GB memory, will soon hit the market, producing an impressive 50 TOPS of AI performance.

AMD Radeon RX 9070 Series: Aimed at midrange users, the 9070 series marks a shift in AMD's naming strategy to echo Nvidia's. Both the 9070 and 9070 XT will debut this quarter.

Nvidia Highlights

At a recent event, Nvidia's CEO Jensen Huang dazzled attendees while outlining the company's focus on AI, with little mention of new GPUs. For in-depth insights, click [here](#).

Nvidia GeForce RTX 50 Series: Expected to launch in January 2025, these desktop GPUs will introduce innovative AI-driven technologies like DLSS 4 for enhanced performance. The flagship 5090 will retail at \$1,999.

Nvidia Project Digits: This endeavor aims to make Nvidia's Blackwell AI platform accessible through the GB10 "AI superchip," offering impressive performance for offline processing at a starting price of \$3,000 in May 2025.

Vocabulary List:

1. **Framerates** /'freɪm,reɪts/ (noun): The frequency at which consecutive images called frames appear on a display.
2. **Versatile** /'vɜːrɪsətəɪl/ (adjective): Able to adapt or be adapted to many different functions or activities.
3. **Performance** /pər'fɔːr.məns/ (noun): The act of performing a task or function; how well something is executed.
4. **Innovative** /'ɪnə,veɪtɪv/ (adjective): Featuring new methods; advanced and original.
5. **Flagship** /'flægʃɪp/ (noun): The most important or leading item in a line of products.
6. **Culminating** /'kʌl.mə.nɪtɪŋ/ (verb): To reach a climax or point of highest development.

Comprehension Questions

Multiple Choice

1. What is the main focus of AMD Ryzen 9 9950X3D?

- Option: Gaming only
- Option: AI applications only
- Option: Creators and gamers
- Option: Office productivity tasks

2. What is the expected improvement in gaming framerates with the AMD Ryzen 9 9950X3D?

- Option: 5%
- Option: 8%
- Option: 10%
- Option: 15%

3. Which AMD CPU promises 50 TOPS of AI performance in its lineup?

- Option: Ryzen AI 300
- Option: Ryzen AI Max
- Option: Ryzen 9 9950X3D
- Option: Radeon RX 9070 Series

4. What technology will the Nvidia GeForce RTX 50 Series introduce for enhanced performance?

- Option: Virtual Reality
- Option: Augmented Reality
- Option: DLSS 4
- Option: Ray Tracing

5. At what price will the flagship Nvidia GeForce 5090 retail?

- Option: \$999
- Option: \$1,499
- Option: \$1,999
- Option: \$2,499

6. Which Nvidia project aims to make the Blackwell AI platform accessible through the GB10 "AI superchip"?

- Option: Project Genesis

Option: Project Atlas
Option: Project Digits
Option: Project Quantum

True-False

7. The AMD Ryzen AI Lineup includes NPUs for AI applications.
8. The AMD Radeon RX 9070 Series is aimed at high-end users.
9. Nvidia CEO Jensen Huang extensively discussed new GPUs at a recent event.
10. The Nvidia Project Digits will be available for online processing.
11. The Ryzen AI Max CPU will have up to 32 cores.
12. The Nvidia GeForce RTX 50 Series is set to launch in March 2025.

Gap-Fill

13. The AMD Ryzen AI 300 debuted in late 2024, and faster models will soon hit the market, culminating in the Ryzen AI Max with up to _____ cores and 128GB memory.
14. Both the AMD Radeon RX 9070 and 9070 XT are set to debut in _____ quarter.
15. Nvidia CEO Jensen Huang outlined the company's focus on AI, with little mention of new GPUs, at a recent _____.
16. The flagship Nvidia GeForce 5090 will retail at \$_____.
17. Nvidia Project Digits aims to make the Blackwell AI platform accessible through the GB10 "AI superchip" for _____ processing.
18. The expected launch window for Nvidia Project Digits is _____ 2025.

Answer

Multiple Choice: 1. Creators and gamers 2. 8% 3. Ryzen AI Max 4. DLSS 4 5. \$1,999 6. Project Digits

True-False: 7. False 8. False 9. False 10. False 11. False 12. False

Gap-Fill: 13. 16 14. first 15. event 16. 1,999 17. offline 18. May

Vocabulary quizzes

Multiple Choice (Select the Correct answer for each question.)

1. What drives individuals to pursue their goals and dreams?

Option: Robust

Option: Scrutiny

Option: Ambitions

Option: Postponed

2. Which nutrients are required by the body in large amounts?

Option: Diversity

Option: Macronutrients

Option: Capabilities

Option: Ambitions

3. How well does a system function under specific conditions?

Option: Equipped

Option: Performance

Option: Variants

Option: Advancements

4. What process involves assessing the effectiveness and value of something?

Option: Evaluation

Option: Outcomes

Option: Framerates

Option: Scrutiny

5. What are the abilities and potential of a person or system?

Option: Macronutrients

Option: Capable

Option: Capabilities

Option: Anticipated



6. What term describes something that is attractive and appealing?

- Option: Ambitions
- Option: Enticing
- Option: Portfolio
- Option: Innovative

7. What is the term used for the leading product or service of a company?

- Option: Unveil
- Option: Robust
- Option: Flagship
- Option: Advancements

8. Which term is used to describe something that carries great importance or meaning?

- Option: Delights
- Option: Valuation
- Option: Adherence
- Option: Significant

9. What word describes something that introduces new ideas or methods?

- Option: Performance
- Option: Innovative
- Option: Versatile
- Option: Macronutrients

10. What term describes the reaching of the highest point or final stage?

- Option: Enticing
- Option: Culminating
- Option: Speculation
- Option: Performance

Gap-Fill (Fill in the blanks with the correct word from the vocabulary list.)

11. A _____ system can withstand various challenges and continue to perform well.

12. The company introduced new product _____ to cater to different consumer preferences.

13. The success of a project is usually measured by its final _____.

14. Gamers often prefer higher _____ to ensure smooth and responsive gameplay.

15. The company's next product launch is highly _____ by industry experts.

16. The restaurant's menu offers a variety of dishes that will surely _____ customers.

17. The appraisers will determine the property's _____ before finalizing the deal.

18. Stock market analysts engage in _____ to predict future market trends.

19. Technological _____ have transformed the way we live and work.

20. Investors often diversify their assets by creating a varied investment _____.

Matching Sentences (Match each definition to the correct word from the vocabulary list.)

21. Due to unforeseen circumstances the meeting had to be to next week.

22. The young athlete emerged as a strong for the championship title.

23. The artist proudly displayed her diverse artwork in her exhibition .

24. The company's latest smartphone model is their new technological .

25. The luxurious resort offers vacation packages to attract more guests.

26. The cultural festival celebrates the rich of traditions from around the world.

27. Strict to safety guidelines is crucial in industrial settings.

28. The research study aims to determine the potential long-term of the new treatment.

29. The new kitchen appliance is highly allowing users to perform various cooking tasks.

30. The company conducted a thorough performance to identify areas for improvement.

Answer

Multiple Choice: 1. Ambitions 2. Macronutrients 3. Performance 4. Evaluation 5. Capabilities 6. Enticing
7. Flagship 8. Significant 9. Innovative 10. Culminating

Gap-Fill: 11. Robust 12. Variants 13. Outcomes 14. Framerates 15. Anticipated 16. Delights 17. Valuation
18. Speculation 19. Advancements 20. Portfolio

Matching sentence: 1. Postponed 2. Contender 3. Portfolio 4. Flagship 5. Enticing 6. Diversity 7. Adherence
8. Outcomes



9. Versatile 10. Evaluation

CATEGORY

1. Sci/Tech - LEVEL4

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