



Micron Begins Shipping 245TB 6600 ION Data Centre SSD

Description

Micron Technology, based in Boise, Idaho, has announced the release of the Micron® 6600 ION SSD, a 245TB solid-state drive (SSD). This device is now the highest capacity SSD available on the market, marking a significant advancement in data centre storage capabilities. It is designed to accommodate a range of applications, especially in artificial intelligence (AI) and cloud computing, while requiring 82% less physical space than traditional hard drives (HDDs) for the same storage capacity.

The Micron 6600 ION not only increases storage density, allowing operators to house more data in a smaller area, but it also reduces energy and cooling requirements. This is critical as data centres look to manage power consumption amidst growing demands from AI workloads. Jeremy Werner, a senior Micron executive, highlighted that this SSD allows for more efficient total cost management of data centre operations.

Experts, such as Jeff Janukowicz from IDC, acknowledge that the shift towards SSDs is driven by the need for more capacity and energy efficiency. The 245TB SSD is available in U.2 and E3.L form factors, which simplifies management and lowers maintenance risks due to its smaller size.

The energy consumption of the Micron 6600 ION SSD is also significantly lower, using only 30 watts compared to standard HDD systems. This reduction impacts sustainability efforts, lessening energy use and carbon emissions substantially.

Micron will showcase this new SSD at Dell Tech World, set for May 18-21, 2026, providing attendees an opportunity to see its capabilities first-hand.

Vocabulary List:

1. **capacity** //kə'pæsəti// (noun): how much something can hold or store
2. **advancement** //əd'vænsmənt// (noun): an important improvement or step forward
3. **accommodate** //ə'kəmə,deɪt// (verb): to provide space or what is needed
4. **density** //'densɪti// (noun): how much is packed in small space
5. **consumption** //kən'sʌmpʃən// (noun): the use of energy or materials
6. **sustainability** //sə,steɪnə'bɪlɪti// (noun): to protect the environment over time

Comprehension Questions



Multiple Choice

1. What is the storage capacity of the Micron 6600 ION SSD?
Option: 245TB
Option: 128TB
Option: 1PB
Option: 500GB
2. Where is Micron Technology based?
Option: Boise, Idaho
Option: San Francisco, California
Option: Austin, Texas
Option: New York, New York
3. What percentage less physical space does the Micron 6600 ION SSD require compared to traditional hard drives?
Option: 50%
Option: 82%
Option: 70%
Option: 65%
4. What is a critical factor that the Micron 6600 ION SSD helps reduce in data centers?
Option: Data loss
Option: Physical space
Option: Energy consumption
Option: Maintenance costs
5. Which two form factors are available for the Micron 6600 ION SSD?
Option: U.2 and E3.L
Option: SATA and M.2
Option: PCIe and NVMe
Option: IDE and SCSI
6. At which event will Micron showcase the Micron 6600 ION SSD?
Option: CES 2026
Option: Dell Tech World
Option: MWC 2026
Option: TechCrunch Disrupt



True-False

7. The Micron 6600 ION SSD has a higher energy consumption than standard HDD systems.
8. The Micron 6600 ION SSD is primarily designed for artificial intelligence and cloud computing applications.
9. Jeremy Werner is a junior Micron executive who commented on the SSD.
10. Experts believe the shift towards SSDs is unrelated to energy efficiency.
11. The Micron 6600 ION SSD allows for efficient total cost management of data center operations.
12. Micron Technology is planning to release the Micron 6600 ION SSD in 2026.

Gap-Fill

13. The Micron 6600 ION SSD is a _____ solid-state drive.
14. This SSD helps reduce energy consumption to only _____ watts.
15. The SSD was designed for applications in artificial intelligence and _____ computing.
16. The Micron 6600 ION SSD has a significant impact on _____ efforts.
17. The Micron 6600 ION SSD is set to be showcased at Dell Tech World on May _____
-21, 2026.
18. Experts recognize the need for more capacity and energy efficiency is driving the shift towards

Answer

Multiple Choice: 1. 245TB 2. Boise, Idaho 3. 82% 4. Energy consumption 5. U.2 and E3.L 6. Dell Tech World

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

Gap-Fill: 13. 245TB 14. 30 15. cloud 16. sustainability 17. 18 18. SSDs

CATEGORY



1. Business - LEVEL5

POST TAG

1. 245TB
2. Data Center SSD
3. ESL learning
4. esl news
5. Level 5
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