

301-C Intel-Micron Xpoint The Next Generation NV Memory

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3D Xpoint- the Buzz Continues!

- Facebook keynote announces plans to use Xpoint



The image shows a screenshot of a Facebook event page for 'Flash Memory Summit'. The event title is 'Flash Memory Summit' and it includes a search icon. The main content is a promotional graphic for Micron's QUANTX technology. The graphic features the Micron logo and 'QUANTX' text at the top. Below this, three performance metrics are listed in large yellow text: '10X+' for IOPS Over NAND @ Low Queue Depths, '10X+' for Faster Response Time Than NAND, and '4X+' for Memory Footprint Per CPU Than DRAM. At the bottom, it says 'Turning Big Data into Fast Data' and includes a small source note: 'Source: Performance assessment and system modeling of NVMe Micron QuantX technology SSD vs. NVMe NAND SSD - Micron Labs'. The hashtag #InnovationAccelerated and the Micron logo are also present at the bottom.

Flash Memory Summit

Micron
QUANTX

10X+
IOPS Over NAND @
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Turning Big Data into **Fast** Data

Source: Performance assessment and system modeling of NVMe Micron QuantX technology SSD vs. NVMe NAND SSD - Micron Labs

#InnovationAccelerated

Micron

Panel Discussion

- **Question 1:** What performance boost will datacenter application(s) see with non-volatile 3D Xpoint?
- **Question 2:** Given past history, what do you expect the timeframe to be when this technology will be at volume price points? What applications will be willing to pay a premium in the early adopter phase?
- **Question 3:** Do you see 3D Xpoint as a direct competitor to NAND Flash variants or more of a complement?
- **Question 4:** Is it conceivable to ever see better performance than DRAM in NV memory types?