



ATTO Technology, Inc.

FAQs

Celerity 16Gb Fibre Channel Host Bus Adaptors

What does ATTO's 16Gb Celerity Host Bus Adaptors (HBA) bring to the table that previous generation does not?

- ATTO's 16Gb HBA leverages two next-generation technologies – PCIe 3.0 interconnect and 16-Gigabit Fibre Channel (FC) while continuing to deliver the highest bandwidth and lowest latency as well as reliability and scalable connectivity with 2x the maximum throughput of the previous generation.

Can I use a PCIe3.0 HBA in a PCIe2.0 slot?

- Yes, ATTO's 16Gb Celerity card will provide the same reliable, low latency 16Gb performance whether in a PCIe3.0 or PCIe2.0 slot. The only difference is that the user will only gain the advantage of the reduced overhead with PCIe3.0.

Is there a complete eco-system in place to support a 16Gb Fibre Channel Storage-Area-Network (SAN) solution?

- The 16Gb FC eco-system continues to grow. ATTO offers the first complete 16Gb solution when you combine Celerity, FibreConnect and FastStream. Currently available SAN components include 16Gb switches and PCIe3.0 motherboards & workstation. You can expect to see 16Gb storage solution over the next 6 months.

Why do customers need 16Gb Fibre Channel?

- Customers who are at or reaching the maximum bandwidth of their infrastructure due to ever-increasing amounts of data.
- Production environments looking to take on more intensive projects using 4K and Stereoscopic film.
- Users requiring higher-performance and reduced latency without having to replace their existing SANs

What are some of the ways I can benefit from 16Gb Fibre Channel?

- Double the throughput - 2X the number of video streams per port
- Natural integration with existing FC investments - Fully backwards compatible
- Supports PCIe3 - double the performance of PCIe2 - that means users are able to increase their throughput
- Decreased cabling costs - 1 16Gb port can now handle the same amount of data as that of 2 ports of 8Gb
- Improve slot management - few slots required to manage the same amount of throughput
- More efficient power consumption - get more done in less time.

What if I have an 8Gb storage infrastructure can I benefit from 16Gb technology?

- Yes, by connecting 16Gb Celerity HBA FC path through a 16Gb FibreConnect switches to two 8-Gb FC storage ports. You will be able to preserve your existing infrastructure while gaining the benefit of 16Gb with higher performance and lower latency.