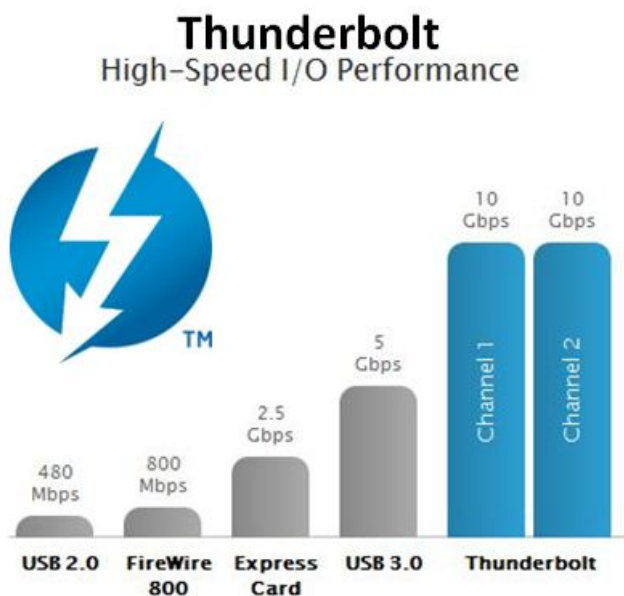


## Thunderbolt Weds PCI Express and DisplayPort at 10Gbps

Written by Bob Snyder  
16 November 2011

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Thunderbolt technology is a new Intel high-speed PC connection technology that brings together high-speed data transfer and HD display on to a single cable.



Running at 10Gbps, Thunderbolt technology can transfer a full-length HD movie in less than 30 seconds. This Intel-developed technology comes to market via collaboration with Apple, so it's first available on Apple's newest line of MacBook Pro. But in Q4, you'll start seeing Thunderbolt in other brands.

Intel is working with the industry on a range of Thunderbolt technology-enabled products including computers, displays, storage devices, audio/video devices, cameras, docking stations and more.

Thunderbolt combines high-speed data and HD video connection via two communications protocols -- **PCI Express** for data transfer and **DisplayPort** for displays. The Thunderbolt port looks identical to the mini DisplayLink port because it is compatible with existing DisplayPort displays and adapters. All Thunderbolt technology devices share a common connector, and let individuals simply daisy-chain their devices one after another, connected by electrical or optical cables. The same port can connect up to six devices.

Companies with Thunderbolt-included products you'll see soon: **Aja, Apogee, Avid, Blackmag**

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