The USB 3.0 Promoter Group announces the USB 3.2 specification-- an incremental update defining multi-lane operation for USB 3.2 hosts and devices, allowing for faster communications over USB-C cables.



The update allows USB 3.2 devices to handle up to two traffic lanes of 5Gbps or two lanes of 10Gbps operation. As a result, a USB 3.2 host connected to a USB 3.2 storage device is capable of data transfers reaching over 2GB/s over an existing USB-C cable certified for Super Speed USB 10Gbps.

In addition, USB 3.2 continues to use existing SuperSpeed USB physical layer data rates and encoding techniques, while a minor hub specification update addresses the increase in performance for seamless transition between single and two-lane operation.

“When we introduced USB Type-C to the market, we intended to assure that USB Type-C cables and connectors certified for SuperSpeed USB or SuperSpeed USB 10Gbps would, as produced, support higher performance USB as newer generations of USB 3.0 were developed,” the USB 3.0 Promoter Group says. “The USB 3.2 update delivers the next level of performance.”

The USB 3.2 specification will be formally released on September 2017, in time for the USB Developer Days N. America event.

Go USB 3.0 Promoter Group Announces USB 3.2 Update