

B3 English Seminar

USB4

40 Gbps Maximum Speed

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References

<https://gigazine.net/news/20190904-usb-if-usb4-specification/>

USB-IF officially released USB4 specifications.

- USB4 was developed based on the Thunderbolt 3 protocol.
- The connection terminal of USB4 is USB Type-C.



USB4 speed is 8 times that of USB 3 standard

- USB4 is backward compatible with USB 3.2, USB 2.0, and Thunderbolt 3.
- So, There are three stages of USB4 communication speed: 10Gbps, 20Gbps, and 40Gbps.

USB4 can output 4K-60fps with transferring data

- USB4 can connect to a display, send / receive data, and supply power.
- Therefore, You can transfer data from external storage while outputting to 4K-60fps display
(transfer data : 27.5Gbps, 4K-60fps : 12.5 Gbps)
- USB4-enabled devices will appear in the latter half of 2020