

USB TYPE-C:

ONE CABLE THAT WORKS FOR ALL DEVICES



USB 3.1 has 2 generations coming out for this version.
Gen 1 – like USB 3.0 with added features and
Gen 2 – the latest and greatest.

Names to listen for with USB 3.1 Type-C

- SuperSpeed supports Gen 1 speed
- SuperSpeed Plus supports Gen 2 speed
- Enhanced SuperSpeed supports Gen 1 and Gen 2

USB TYPE-C LENGTH LIMITATIONS

1m (3.3 feet)



USB 3.1 Gen 2 SuperSpeed Plus Features:

- Data transfer rates of 10Gbps
- Up to 100W power output
- Supports up to 4K resolution video output
- Backwards compatible with existing USB 3.0 and USB 2.0

3m (9.8 feet)



USB 3.1 Gen 1 SuperSpeed Features:

- Data transfer rates of 5Gbps
- Up to 100W power output
- Supports up to 4K resolution video output
- Backwards compatible with existing USB 3.0 and USB 2.0

4m (13 feet)



USB 2.0 High Speed Features:

- Data transfer rates of 480Mbps
- Up to 15W power output
- Backwards compatible with USB 1.1

USB 3.1 Type-C Gen 2 has enhanced power delivery with 100W, native A/V support, supports video displays up to 4K, backwards compatible, and has a data transfer rate of 10Gbps.

USB 3.1 Type-C Gen 1 is what the first generation of devices being released will have. It's similar to 3.0 SuperSpeed with the added bonuses of enhanced power delivery up to 100W, native A/V support, supports video displays up to 4K, backwards compatible and has a data transfer rate of 5Gbps.

Type-C Reversible/Symmetrical Connector, so no more guessing on how to plug it in. Increased durability of up to 10,000 cycles meaning a longer life for the number of times it has the capability to be plugged in. Type-C is not just for 3.1, it will be on 2.0 and 3.0 cabling and adapters also.



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CABLES TO GO

USB TYPE-C



Q: Will USB-C be backwards compatible?

A: Yes, it will be backwards compatible with older USB devices. However, transfer speeds will be limited to that of the legacy device.

Q: When will this technology be available?

A: The Google Chromebook Pixel and New Apple MacBook, both with the USB 3.1 Gen 1 with the Type-C port are on the market now. Other products are expected to hit the market mid 2015.

Q: Will it be compatible with older USB versions?

A: Yes. USB 3.1 can be adapted using adapters or adapter cables to work with older USB connections. USB Type-C ports will support older USB technologies.

Q: What are the length limitations of USB Type-C cables?

A: For the full features of 3.1, 1m is the length limitation. Longer cables can still be used with lower speeds of data transfer. 3m for USB 3.0 and 4m for USB 2.0.

Q: Will USB 3.1 really replace video connections on devices?

A: That is the proposed idea and plan for USB 3.1 connections. It will take the place of video ports and power ports. So laptops will just have a handful of USB 3.1 ports on them that will be used for power, video, audio, and peripherals.

Q: When will C2G have products for sale?

A: We are looking to have the first set of products come in mid 2015 timeframe.

Q: Will Type-C only be with USB 3.1?

A: USB Type-C is not just carried on 3.1, it will also be carried on 2.0 and 3.0.

Q: Will I need to purchase all new cables?

A: Not necessarily. USB 3.1 is backwards compatible with USB 2.0. Adapters will also become available, which allow for plugging legacy devices into a Type-C port.

Q: What new features can be expected?

A: At 1m length, data transfer rates are twice the speed of existing USB technology (up to 10Gbit/s), with built-in support for DisplayPort video and four channel audio, a symmetrical, high bandwidth connector called USB Type-C, and enhanced power delivery of up to 20 volts, 5 amps, and 100 watts for power and charging.

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