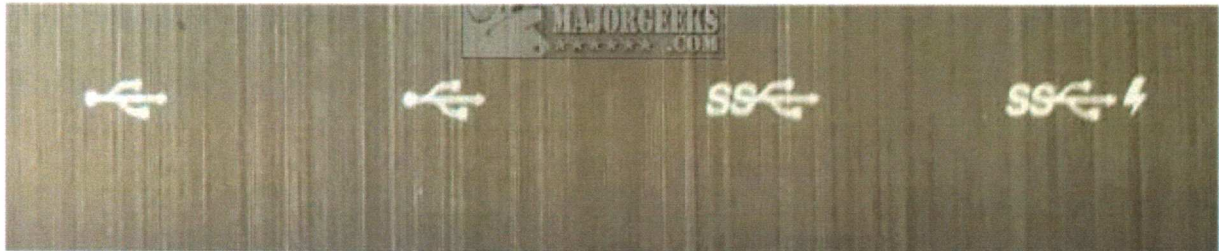


What Is an SS USB Port?

On a modern computer, we're all used to seeing the USB icons, but you might also see the letters SS next to some of your USB ports. In this guide, we explain what the SS stands for.

SS refers to SuperSpeed, a new transfer rate that can transfer data at up to 5 Gbit/s (625 MB/s), which is ten times faster than USB 2.0. Impressive.

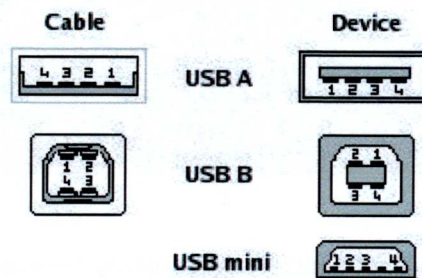
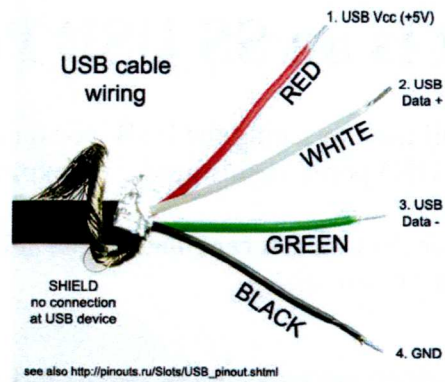


Any USB device can benefit from faster transfer speeds using the SuperSpeed ports. It is recommended that manufacturers label SuperSpeed ports SS and use blue colored cables, so you know Superspeed is supported.

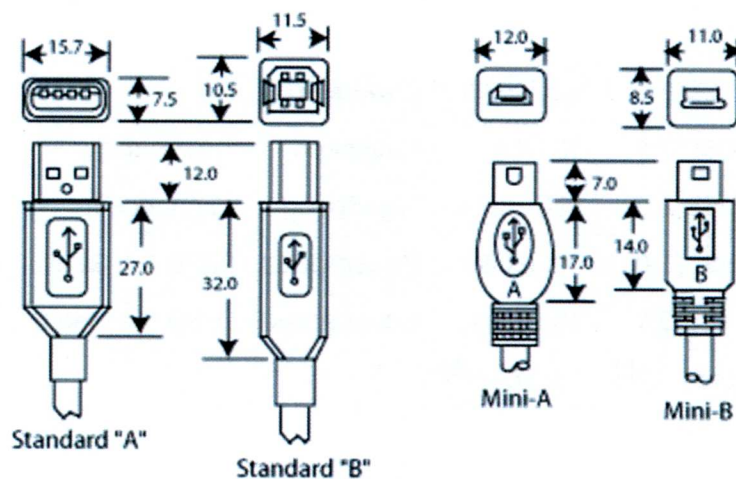
USB 3.0 has been upgraded to USB 3.1, and finally 3.2 in 2017. Each version supports SuperSpeed preserving the original speeds while still increasing the speeds even further.

If your computer was built after 2017, you probably have USB 3.2, which introduced two new SuperSpeed+ transfer modes over the USB-C connector using two-lane operation, with data rates of 10 and 20 Gbit/s (1250 and 2500 MB/s). So, yeah, it's fast.

USB 1.0	1,5 Mbit/s	LowSpeed	
USB 1.1	12 Mbit/s	FullSpeed	Universal
USB 2.0	480 Mbit/s	HighSpeed	Enhanced
USB 3.0	4,8 Gbit/s	SuperSpeed	USB 3.1 Gen 1
USB 3.1	10 Gbit/s	SuperSpeed+	USB 3.1 Gen 2
USB 3.2 ^[2]	16 Gbit/s ^[3]		



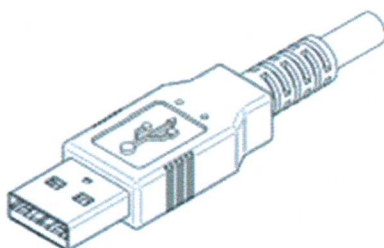
Pin	Signal	Color	Description
1	VCC		+5V
2	D-		Data -
3	D+		Data +
4	GND		Ground



All measurements are in mm
and are typical dimensions only.

USB 1.x en USB 2.x

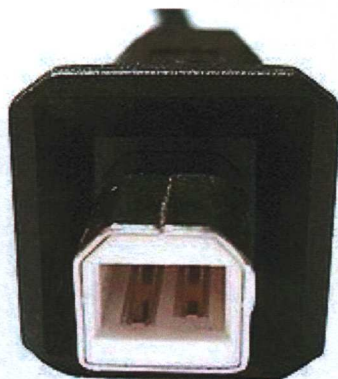
A-stekker
computerzijde



USB 3.x

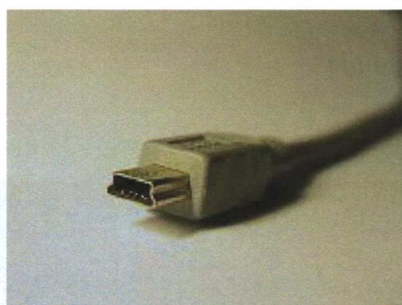


B-stekker
printer
externe harde schijf
RS232-adapter



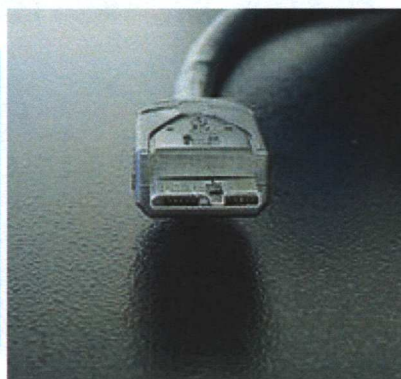
mini-B-stekker

scanner
muis^[6]
GPS-ontvanger
e-identificatie

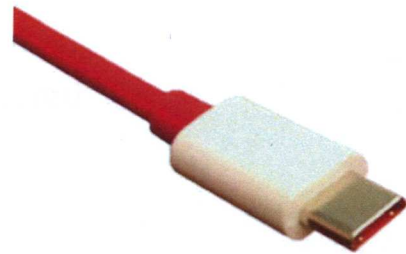


micro-B-stekker

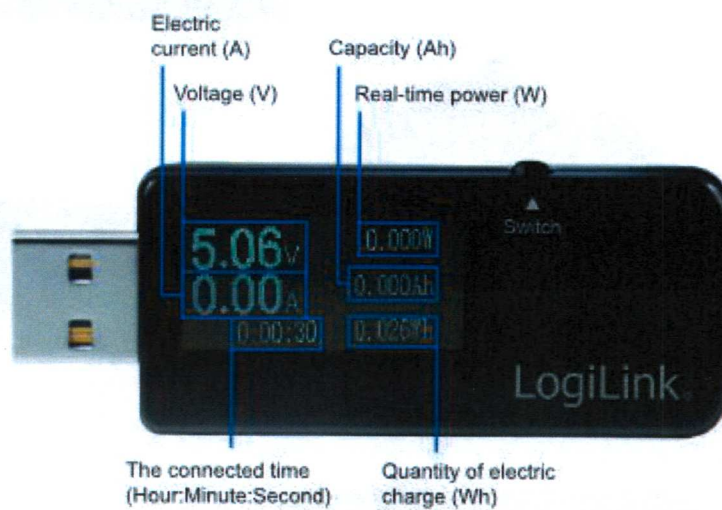
powerbank
videokaart
e-reader



C-stekker



Test device: LogiLink PA0158, PA0159



5.07V	1.619W	V-: 0V	15.93Ω	Vol: 5.07V	Cur: 0.31A
0.31A	1.896Ah	D+: 2.715V	OFF/27°C	Cap: 1899mAh (1.00)	
19:39:05	17.200Wh	D-: 2.715V	19:39:14	Ene: 17.216Wh	26 °C
		V+: 5.07V	0.31A	Tme: 19:39:42/OFF	