USB Type-C™ – All-In-One Plug!

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More and more manufacturers are relying on USB Type-C™ instead of the classical USB or micro USB interface. Whether on a laptop, smartphone, or tablet - the Type-C™ interface makes it possible to connect peripheral devices simply and conveniently, because the **plug is reversible.** Gone are the days when the user had to place him- or herself at eye level with the USB interface in order to make sure that the plug was being inserted in the correct orientation.

In the long term, it is to be expected that the Type-C™ will supersede the USB Type-A. Because the new plug offers many advantages: for example, its compact size. It measures a mere 8.4 x 2.6 mm. This makes it possible for manufacturers to accommodate more slots or develop even slimmer devices. Furthermore, the interface with the USB 3.1 standard offers increased data transfer rates.

Thus, image signals can also be transmitted and monitors connected. For an adequate power supply, up to 100 V / 5A can be made available via the USB Type-C™.

The current challenge: Whoever buys a new smartphone, tablet, or notebook nowadays, has to connect peripheral devices via the traditional USB Type-A connection. To do this, cables and adaptors are necessary. We offer you cables and adaptors for all established combinations in all price ranges.

* With the Type-C™ cables, pay attention to the **USB version.** The cables are available in USB 2.0, USB 3.1 Gen1 and USB 3.1 Gen2 versions, each of which has different features.

Transfer rate
Up to 10 Gbit/s
20x faster than USB 2.0
2x faster than USB 3.0

Image quality
Ultra-HD 4K resolution for USB-C capable screens
4x higher than Standard HD

Reversible plug
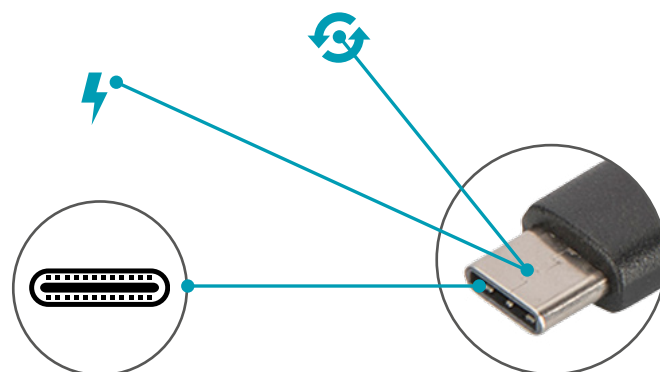Simple and convenient. The connection functions regardless of orientation.

Power delivery
Charge your devices via the available connection.

Universal
Laptop, tablet, smartphone - connect all your devices with just one cable.

24-pin USB Type-C plug

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Type C™ - A, M/M

Type C™ - micro B, M/M

Type C™ - C, M/M

Type C™ - A, M/F

Type	Art. No.	EAN	Name	Length
USB TYPE-C™ Cables	DB-300136-010-S	4016032383772	USB Type-C™ connection cable, type C to A, M/M, Super Speed, UL, bl	1,0 m
	DB-300136-018-S	4016032383789	USB Type-C™ connection cable, type C to A, M/M, High-Speed, UL, bl	1,8 m
	DB-300137-010-S	4016032383796	USB Type-C™ connection cable, type C to micro B, M/M, Super Speed, UL, bl	1,0 m
	DB-300137-018-S	4016032383802	USB Type-C™ connection cable, type C to micro B, M/M, High-Speed, UL, bl	1,8 m
	DB-300138-010-S	4016032383819	USB Type-C™ connection cable, type C to C, M/M, High-Speed, UL, bl	1,0 m
	DB-300138-018-S	4016032383826	USB Type-C™ connection cable, type C to C, M/M, High-Speed, UL, bl	1,8 m
	DB-300316-001-S	4016032383833	USB Type-C™ adapter cable, type C - micro B, M/F, High-Speed, UL, bl	0,1 m

USB 3.0 Type-C™ VGA Multiport

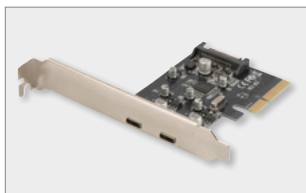USB 3.0 Type-C™ HDMI Multiport

USB 3.0 3-Port Hub with Type-C™ Power Delivery Function

USB 2.0 3-Port Hub & Fast Ethernet LAN Adaptor with Type-C™ Connector

Type	Art. No.	EAN	Name	Length
USB TYPE-C™ Adapter	DA-70839	4016032385981	USB 3.0 Type-C™ VGA Multiport Adaptor and Power Delivery (PD)	-
	DA-70838	4016032385974	USB 3.0 Type-C™ HDMI Multiport Adaptor and Power Delivery (PD)	-
	DA-70242	4016032386018	USB 3.0 3-Port Hub with Type-C™ Power Delivery (PD) Function	-
	DA-70253	4016032383802	USB 2.0 3-Port Hub & Fast Ethernet LAN Adaptor with Type-C™ Connector	-
	DN-3024	4016032386001	USB 3.0 Type-C™ Gigabit Ethernet Adaptor	-
	DA-70837	4016032385967	USB 3.0 Type-C™ 1080p VGA Graphic Adaptor	-
	DA-70836	4016032385950	USB 3.0 Type-C™ 4K HDMI Graphic Adaptor	-

PCIe USB 3.1 Card Type-C™

Type	Art. No.	EAN	Name	Length
USB TYPE-C™ I/O Card	DS-30223	4016032381211	PCIe USB 3.1 Card Type C™	-

USB Type-C™ Cable and Connector Specification

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Table 3 - 1 USB Type-C™ Standard Cable Assemblies

Cable Ref	Plug 1	Plug 2	USB Version	Cable Length	Current Rating	USB Power Delivery (BMC)	USB Type-C™ Electronically Marked
CC2 - 3	C	C	USB 2.0	< 4 m	3 A	Supported	Optional
CC2 - 5					5 A		Required
CC3G1 - 3	C	C	USB 3.1 Gen1	< 2 m	3 A	Supported	Required
CC3G1 - 5					5 A		
CC3G2 - 3	C	C	USB 3.1 Gen1	< 1 m	3 A	Supported	Required
CC3G2 - 5					5 A		

Table 3 - 2 USB Type-C™ Legacy Cable Assemblies

Cable Ref	Plug 1[4]	Plug 2[4]	USB Version	Cable Length	Current Rating
AC2 - 3	USB 2.0 Standard-A	USB 2.0 Type-C[1]	USB 2.0	< 4 m	3 A
AC3G2 - 3	USB 3.1 Standard-A	USB Full-Featured Type-C[1]	USB 3.1 Gen2	< 1 m	3 A
CB2 - 3	USB 2.0 Type-C[2]	USB 2.0 Standard-B	USB 2.0	< 4 m	3 A
CB3G2 - 3	USB Full-Featured Type-C[2]	USB 3.1 Standard-B	USB 3.1 Gen2	< 1 m	3 A
CmB2	USB 2.0 Type-C[2]	USB 2.0 Mini-B	USB 2.0	< 4 m	500 mA
CµB2 - 3	USB 2.0 Type-C[2]	USB 2.0 Micro-B	USB 2.0	< 2 m	3 A
CµB3G2 - 3	USB Full-Featured Type-C[2]	USB 3.1 Micro-B	USB 3.1 Gen2	< 1 m	3 A

Table 3 - 3 USB Type-C™ Legacy Adapter Assemblies

Adapter Ref	Plug	Receptacle[3]	USB Version	Cable Length	Current Rating
CµBR2 - 3	USB 2.0 Type-C[1]	USB 3.1 Micro-B	USB 2.0	< 0.15 m	3 A
CAR3G1 - 3	USB Full-Featured Type-C[2]	USB 3.1 Standard-A	USB 3.1 Gen1	< 0.15 m	3 A

Table 2 - 1 USB Summary of power supply options

Mode of Operation	Nominal Voltage	Maximum current	Notes
USB 2.0	5 V	See USB 2.0	
USB 3.1	5 V	See USB 3.1	
USB BC 1.2	5 V	Up to 1.5 A[1]	Legacy charging
USB Type-C Current @ 1,5 A	5 V	1.5 A	Supports higher power devices
USB Type-C Current @ 3,0 A	5 V	3 A	Supports higher power devices
USB PD	Configurable up to 20 V	Configurable up to 5 A	Directional control and power level management