Usb 4



INTRODUCTION

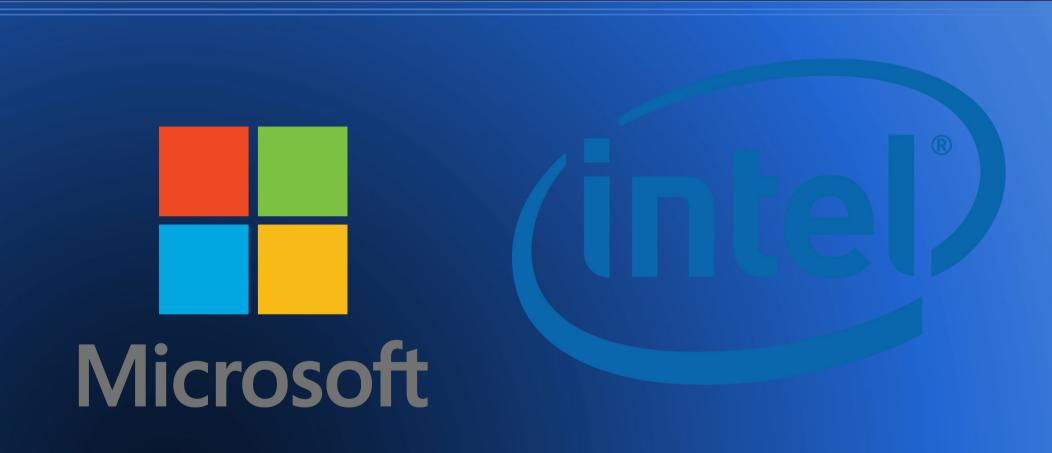
- Usb 1.
- Usb evolution.
- Thunderbolt.
- Advantage of Usb.
- New usb (Usb 4.2).
- Difference between Usb 3.2 and 4.
- Connectic.
- Conclusion.



USB



USB 1



Quickly Adopted in 1996

USB EVOLUTION

USB2.0

USB3.0

USB3.2





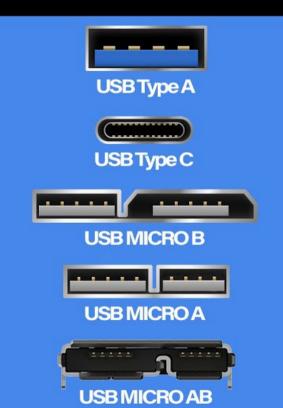
USB Type B



USB Mini A



USB Mini B





Thunderbolt



Advantage of USB



NEW USB



Usb 4.2

USB 4.2

USB 80Gbps Branding Overview

For certified solutions based upon the USB4® Specification

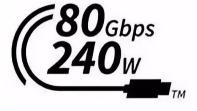
Packaging Logo

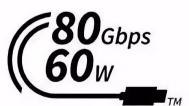
Port Logo

USB Type-C® Cable Logos*



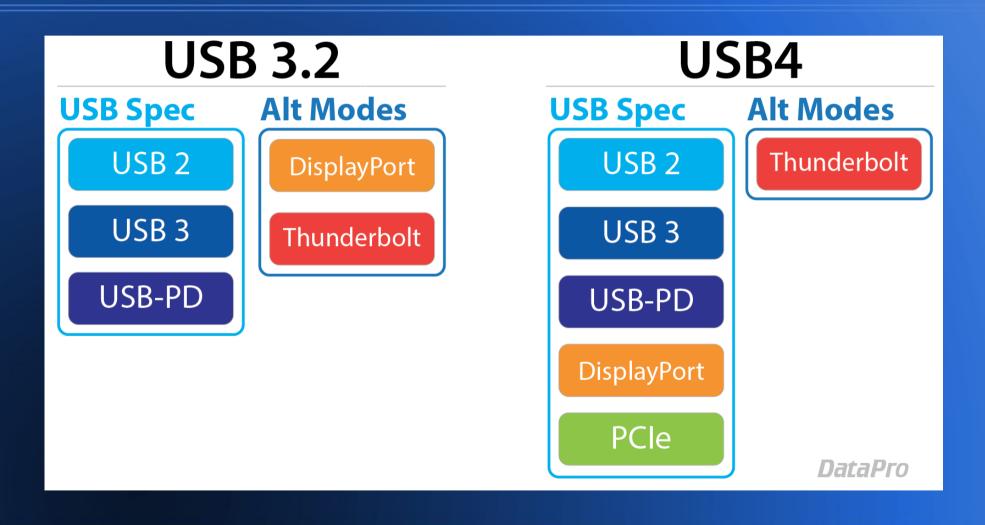




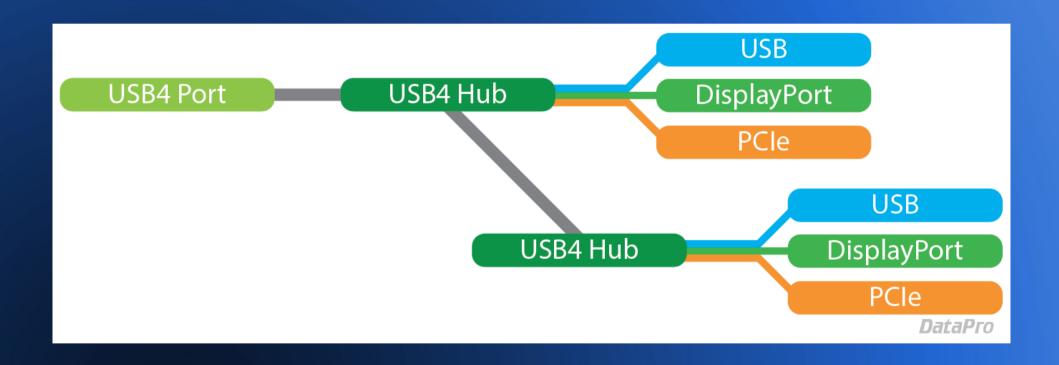




Difference USB 3.2 AND USB 4



USB CONNECT



Connectic

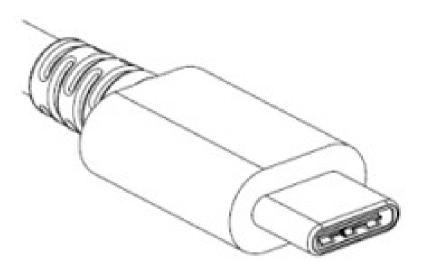


Figure 1-1: USB4 Gen3 Type C Cable

This document focuses on the high speed requirements and evaluation of the full-featured USB4 Gen3 Type-C plug connector. The pinout of a full-featured Type-C plug connector is shown in Figure 1-2.

A12	A11	A10	A9	A8	AZ	A6	A5	A4	A3	A2	A.1
GND	RX2+	RX2-	Veus	58U1	D-	D+	cc	Vaus	TX1-	TX1+	GND
	-						T and a				
GND	TX2+	TX2-	Veus	VCONN			SBU2	Vaus	RX1-	RX1+	GND

Conclusion and point of view



Thanks for your attention



