

The USB C ports on the Laptop are looking the same, but it has several critical differences between Thunderbolt 3, USB-C 3.1 Gen 2, and USB-C 3.1 Gen 1.

The difference between the three technologies is bandwidth.

Support Dual or Triple Display:

✓ Thunderbolt 3: 40Gb/s

✓ USB-C 3.1 Gen 2: 10Gb/s

DOES NOT SUPPORT USB C DISPLAY OUTPUT:

× USB-C 3.1 Gen 1: 5Gb/s (data transfer only)

Please ensure the Laptop has thunderbolt 3 / USB-C 3.1 Gen 2 to support multiple-display before purchase.

ALL models listed below is for your reference only, it's not a full list, please make sure your laptop's compatibility before purchasing. If you cannot make sure, please email totu@iple.com with laptop model and product model, we will check for you.

Brand	Model	Compatibility	Note
Apple			
Apple	Macbook(Model released before 2015)	Incompatible	
Apple	Macbook (2015-2017, 12-inch)	Compatible	
Apple	MacBook Air (2018-2020, 13-inch)	Compatible	
Apple	MacBook Air (2014-2017, 13-inch)	Incompatible	
Apple	MacBook Pro (2016-2020, 13-inch)	Compatible	
Apple	MacBook Pro (2019, 16-inch)	Compatible	
Apple	MacBook Pro (2016-2020, 15-inch)	Compatible	
Apple	MacBook Pro (2015, 13/15-inch)	Incompatible	
Apple	iPad Pro(11/12.9-inch)	Partial Compatible	USB data transfer compatible
Apple	Mac mini (2009-2014)	Incompatible	
Apple	Mac mini (2018)	Compatible	
Apple	iMac (2009-2015)	Incompatible	
Apple	iMac (2017-2019, 21.5/27-inch)	Compatible	
Apple	iMac Pro 2017	Compatible	
Apple	Mac Pro (2019)	Compatible	
Microsoft Surface			
Surface	Surface pro 7	Compatible	
Surface	Surface pro 1/2/3/4/5/6	Incompatible	
Surface	Surface Pro X	Compatible	
Surface	Surface Go 1	Compatible	
Surface	Surface Book 1	Incompatible	
Surface	Surface Book 2	Compatible	
Surface	Surface Book 3	Compatible	
Dell			
Dell	Inspiron 15 3000 Laptop	Incompatible	
Dell	Inspiron 11 3000 2-in-1 Laptop	Incompatible	
Dell	Inspiron 14 3000 Laptop	Incompatible	
Dell	Inspiron 15 3000 Laptop (10th Gen)	Incompatible	
Dell	Inspiron 17 3000 Laptop	Incompatible	
Dell	Inspiron 15 5000 Laptop	Incompatible	
Dell	Inspiron 14 5000 Laptop	Incompatible	
Dell	New Inspiron 14 5000 2-in-1 Laptop	Compatible	
Dell	Inspiron 13 5000 Laptop	Compatible	
Dell	Inspiron 15 5000 2-in-1 Laptop	Compatible	
Dell	Inspiron 15 5000 Laptop (AMD)	Compatible	
Dell	Inspiron 15 7000 2-in-1 Laptop	Compatible	
Dell	New Inspiron 13 7000	Compatible	
Dell	Inspiron 15 7000 Laptop	Compatible	
Dell	Inspiron 14 7000 Laptop	Compatible	
Dell	Inspiron 17 7000 2-in-1 Laptop	Compatible	
Dell	Inspiron 13 7000 2-in-1 Laptop (Black)	Compatible	
Dell	Inspiron 15 7000 2-in-1 Laptop (Black)	Compatible	
Dell	Latitude 12/13/14 3000 series	Compatible	
Dell	Latitude 12/13/14 5000 series	Compatible	
Dell	Latitude 12/13/14 7000 series	Compatible	
Dell	Vostro 13/14 5000 series	Compatible	
Dell	Vostro 15 3000 series	Incompatible	
Dell	Vostro 15 7000 series	Compatible	
Dell	XPS 13	Compatible	
Dell	New XPS 13	Compatible	
Dell	XPS 13 2-in-1	Compatible	
Dell	XPS 15	Compatible	
Dell	New XPS 15	Compatible	
Dell	New XPS 17 Laptop	Compatible	
Dell	M15 gaming laptop	Compatible	
Dell	ALIENWARE m15 R3	Compatible	
Dell	M15 R1 Gaming Laptop	Compatible	
Dell	M17 R1 Gaming Laptop	Compatible	
Dell	M17 gaming laptop	Compatible	
Dell	ALIENWARE m17 R3	Compatible	
Dell	Alienware Area-51m R1	Compatible	
Dell	Alienware Area-51m R2	Compatible	
Dell	New G3 Gaming Laptop	Compatible	
Dell	New G5 Gaming Laptop	Compatible	

Dell	New G7 15 Laptop	Compatible	
Dell	New G7 17 Gaming Laptop	Compatible	
HP			
HP	HP 470 G7 Notebook PC	Incompatible	
HP	HP ProBook x360 435	Compatible	
HP	HP Elite Dragonfly Notebook PC	Compatible	
HP	HP EliteBook x360 1030	Compatible	
HP	HP EliteBook x360 1040	Compatible	
HP	HP EliteBook 735	Compatible	
HP	HP EliteBook 745	Compatible	
HP	HP EliteBook 755	Compatible	
HP	HP EliteBook 830	Compatible	
HP	HP EliteBook 840	Compatible	
HP	HP EliteBook 850	Compatible	
HP	HP EliteBook x360 830	Compatible	
HP	HP Elite X2	Compatible	
HP	HP ProBook 430 G6	Compatible	
HP	HP ProBook 440 G6	Compatible	
HP	HP ProBook 445 G6	Compatible	
HP	HP ProBook 450 G6	Compatible	
HP	HP ProBook 455 G6	Compatible	
HP	HP ProBook 640 G6	Compatible	
HP	HP ProBook 650 G6	Compatible	
HP	HP ProBook 430/440/450 G1-G5 series	Incompatible	
HP	HP ProBook 11 x360	Incompatible	
HP	HP 250	Incompatible	
HP	HP 255	Incompatible	
HP	HP 340S	Incompatible	
HP	HP Stream 11	Incompatible	
HP	HP Chromebook Clamshell	Compatible	
HP	HP ZBook x2 Detachable Workstation	Compatible	
HP	HP ZBook Studio x360 Workstation	Compatible	
HP	HP ZBook Studio Workstation	Compatible	
HP	HP ZBook 15 Mobile Workstation	Compatible	
HP	HP ZBook 15v Mobile Workstation	Compatible	
HP	HP ZBook 15u Mobile Workstation	Compatible	
HP	HP ZBook 14u Mobile Workstation	Compatible	
HP	HP ZBook 17 Mobile Workstation	Compatible	
HP	HP Spectre x360 15	Compatible	
HP	HP Spectre x360 13	Compatible	
HP	HP ENVY 17	Compatible	
HP	HP ENVY x360	Compatible	
HP	HP ENVY 13	Compatible	
HP	OMEN X	Compatible	
HP	OMEN	Compatible	
HP	OMEN 15	Incompatible	
HP	HP ENVY 15	Compatible	
HP	HP Spectre Folio 13	Compatible	
HP	HP Pavilion 15	Incompatible	
HP	HP PAVILION X360	Incompatible	
Lenovo			
Lenovo	Yoga Book C930	Incompatible	
Lenovo	T14s (14") Intel	Compatible	
Lenovo	Yoga C740 (14")	Incompatible	
Lenovo	P53 (15")	Compatible	
Lenovo	P1 Gen 2 (15")	Compatible	
Lenovo	P15s (15")	Compatible	
Lenovo	P73 (17")	Compatible	
Lenovo	P52 (15")	Compatible	
Lenovo	P43s (14")	Compatible	
Lenovo	P14s (14")	Compatible	
Lenovo	Lenovo Chromebook C330	Compatible	
Lenovo	Yoga Chromebook C630	Incompatible	
Lenovo	ThinkBook 15 (15") Laptop	Compatible	
Lenovo	ThinkBook 14 (14") Laptop	Compatible	
Lenovo	ThinkBook Plus (Dual screen)	Compatible	
Lenovo	X1 Carbon Gen 8 (14")	Compatible	
Lenovo	X1 Yoga Gen 5 (14")	Compatible	
Lenovo	X1 Extreme Gen 2 (15")	Compatible	
Lenovo	X1 Yoga Gen 4 (14")	Compatible	
Lenovo	X1 Carbon Gen 6 (14")	Compatible	
Lenovo	X1 Carbon Gen 7 (14")	Compatible	
Lenovo	X1 Yoga Gen 3 (14")	Compatible	
Lenovo	ThinkPad P53 (15") Mobile Workstation	Compatible	
Lenovo	ThinkPad P1 Gen 2 (15") Mobile Workstation	Compatible	
Lenovo	ThinkPad P43s (14") Mobile Workstation	Compatible	
Lenovo	ThinkPad P73 Mobile Workstation	Compatible	
Lenovo	ThinkPad P52 (15") Mobile Workstation	Compatible	
Lenovo	ThinkPad P15s (15") Mobile Workstation	Compatible	
Lenovo	ThinkPad P14s (14") Mobile Workstation	Compatible	
Lenovo	ThinkPad T14 (14", Intel) laptop	Compatible	
Lenovo	ThinkPad T490 Laptop	Compatible	
Lenovo	ThinkPad T14s (14", Intel) slim laptop	Compatible	
Lenovo	ThinkPad T490s	Compatible	
Lenovo	ThinkPad T15 (15", Intel) laptop	Compatible	
Lenovo	ThinkPad T590 (15") Laptop	Compatible	

Lenovo	ThinkPad T14 (14"), AMD laptop	Compatible	
Lenovo	ThinkPad T495 (14") Laptop	Compatible	
Lenovo	ThinkPad T14s (14") AMD Laptop	Compatible	
Lenovo	ThinkPad T495s (14") Laptop	Compatible	
Lenovo	T490 Secure Access / Healthcare Edition	Compatible	
Lenovo	ThinkPad T480s (14") Laptop	Compatible	
Lenovo	ThinkPad T480 (14") Laptop	Compatible	
Lenovo	ThinkPad T470s	Compatible	
Lenovo	ThinkPad X13 (13", Intel) laptop	Compatible	
Lenovo	X13 Yoga (13") Intel	Compatible	
Lenovo	ThinkPad X390 (13") Laptop	Compatible	
Lenovo	ThinkPad X380 Yoga (13") Laptop	Compatible	
Lenovo	ThinkPad X280 (12") Laptop	Compatible	
Lenovo	ThinkPad X13 13" (AMD) Laptop	Compatible	
Lenovo	ThinkPad X1 Yoga Gen 5 (14") 2-in-1 Laptop	Compatible	
Lenovo	ThinkPad X1 Yoga Gen 4 (14") Laptop	Compatible	
Lenovo	ThinkPad X1 Yoga Gen 3 (14") Laptop	Compatible	
Lenovo	ThinkPad L13 Yoga (13", Intel) Laptop	Compatible	
Lenovo	ThinkPad E15 (15", Intel) Laptop	Compatible	
Lenovo	ThinkPad E14 (14", Intel) Laptop	Compatible	
Lenovo	ThinkPad E14 Gen 2 (14") AMD Laptop	Partial Compatible	USB data transfer compatible
Lenovo	ThinkPad E15 Gen 2 (15") AMD Laptop	Partial Compatible	USB data transfer compatible
Lenovo	ThinkPad L15 (15", Intel) laptop	Partial Compatible	USB data transfer compatible
Lenovo	ThinkPad L14 (14", Intel) laptop	Partial Compatible	USB data transfer compatible
Lenovo	ThinkPad L13 (13", Intel) Laptop	Compatible	
Lenovo	ThinkPad L380	Compatible	
Lenovo	ThinkPad L580 (15") Laptop	Compatible	
Lenovo	ThinkPad L480 (14") Laptop	Compatible	
Lenovo	ThinkPad 11e Yoga Gen 6 (11") 2-in-1	Incompatible	
Lenovo	Yoga C940 (14") Laptop	Compatible	
Lenovo	Yoga C940 (15") Laptop	Compatible	
Lenovo	Yoga C930 (14") Laptop	Compatible	
Lenovo	Yoga Book C930 Laptop	Partial Compatible	USB data transfer compatible
Lenovo	Yoga C930 Glass Laptop	Compatible	
Lenovo	Yoga C740 (15") Laptop	Compatible	
Lenovo	Yoga C740 (14") Laptop	Compatible	
Lenovo	Yoga 730 (13") Laptop	Compatible	
Lenovo	Yoga C640 (13") Laptop	Compatible	
Lenovo	Legion Y740 (17") Gaming Laptop	Compatible	
Lenovo	Legion Y740 (15") Gaming Laptop	Compatible	
Lenovo	Legion Y540 (15") Gaming Laptop	Partial Compatible	USB data transfer compatible
Lenovo	Legion Y540 (17") Gaming Laptop	Partial Compatible	USB data transfer compatible
Lenovo	Legion Y545 (15") Gaming Laptop	Partial Compatible	USB data transfer compatible
Lenovo	Lenovo Legion 5 (15", AMD) gaming laptop	Compatible	
Lenovo	Lenovo Legion 5i (15") gaming laptop	Compatible	
Lenovo	Lenovo Legion 5i (17") gaming laptop	Compatible	
Lenovo	Legion 7i 15" gaming laptop	Compatible	
Lenovo	IdeaPad 1 (11", Intel) laptop	Incompatible	
Lenovo	IdeaPad 1 (14", Intel) laptop	Incompatible	
Lenovo	IdeaPad 1 (11", AMD)	Incompatible	
Lenovo	IdeaPad S145 (15", Intel) Laptop	Incompatible	
Lenovo	IdeaPad Flex 5 15 (Intel) 2 in 1	Incompatible	
Lenovo	IdeaPad Flex 5 14 (Intel) 2 in 1	Incompatible	
Lenovo	IdeaPad Flex 5 14 (AMD) 2 in 1	Incompatible	
Lenovo	IdeaPad Flex 3 (11")	Incompatible	
Lenovo	Flex 14 (Intel) Laptop	Incompatible	
Lenovo	Lenovo Flex 5G	Compatible	
Lenovo	IdeaPad 3 (17", Intel) laptop	Incompatible	
Lenovo	IdeaPad 3 (15", Intel) laptop	Incompatible	
Lenovo	IdeaPad 3 (15", AMD) laptop	Incompatible	
Lenovo	IdeaPad S340 (15", Intel) Laptop	Incompatible	
Lenovo	IdeaPad S340 (15", AMD) Laptop	Incompatible	
Lenovo	IdeaPad S340 (14", Intel) Laptop	Incompatible	
Lenovo	IdeaPad Gaming 3i (15") laptop	Incompatible	
Lenovo	IdeaPad 5 (15", AMD) laptop	Compatible	
Lenovo	IdeaPad 5 (15", Intel) laptop	Compatible	
Lenovo	IdeaPad 5 (14", AMD) Laptop	Compatible	
Lenovo	IdeaPad 5 (14", Intel) laptop	Compatible	
Lenovo	IdeaPad S540 (15") Laptop	Incompatible	
Lenovo	IdeaPad S540 (14") Laptop - Touch	Incompatible	
Lenovo	IdeaPad Slim 7 (14", AMD) Laptop	Compatible	
Lenovo	IdeaPad S740 (15") Laptop	Compatible	
Lenovo	IdeaPad S940 (14") Laptop	Compatible	
Lenovo	Chromebook C330 (11.6") Laptop	Compatible	
Lenovo	Chromebook C340 (11") Laptop	Incompatible	
Lenovo	Chromebook S330 (14") Laptop	Compatible	
Lenovo	500e Chromebook 2nd Gen (11.6", Intel) Laptop	Incompatible	
Lenovo	300e Chromebook 2nd Gen (11.6") Laptop	Incompatible	
Lenovo	300e (2nd Gen) (11.6") Laptop	Incompatible	
Lenovo	100e Laptop	Incompatible	
Lenovo	100e (2nd Gen) (11.6") Laptop	Incompatible	
Lenovo	100e Chromebook 2nd Gen (11.6") Laptop	Incompatible	
Lenovo	14w (14") Laptop	Incompatible	
Asus			
Asus	All Legacy USB-A or USB-B only systems(laptop without USB Type C gen 2 port)	Incompatible	

Asus	ASUS Chromebook Flip C434	Incompatible	
Asus	ASUS Chromebook Flip C433	Partial Compatible	PD/DATA TRANSFER
Asus	ASUS Chromebook Flip C101	Compatible	
Asus	ASUS ROG Zephyrus GX501	Compatible	
Asus	Asus ROG Zephyrus GX501V	Compatible	
Asus	ASUS ROG Zephyrus M GM501	Compatible	
Asus	ASUS ROG Zephyrus G14 GA401	Compatible	
Asus	ASUS ProArt StudioBook Pro 17 W700	Compatible	
Asus	ASUS ProArt StudioBook 17 H700	Compatible	
Asus	ASUS ProArt StudioBook Pro X W730	Compatible	
Asus	ASUS ZenBook UX303LA/UX305CA/UX305FA	Incompatible	
Asus	ASUS ZenBook 14 UM433/UX431	Compatible	
Asus	ASUS ZenBook 13 (UX331)	Compatible	
Asus	ASUS ZenBook Pro UX550	Compatible	
Asus	ASUS ZenBook Pro Duo UX581	Compatible	
Asus	ASUS ZenBook Pro UX501VW	Incompatible	
Asus	ASUS ZenBook Pro 15 UX580	Compatible	
Asus	ASUS Transformer 3 Pro	Compatible	
Asus	ASUS Transformer Book T100 Chi/T100/T100TA/T100TAF	Incompatible	
Asus	ASUS ROG Mothership	Compatible	
Asus	ASUS ROG Mothership GZ700GX	Compatible	
Asus	ASUS VivoBook U38N	Incompatible	
	MSI		
MSI	MSI GF63	Incompatible	PLEASE PLUG IN YOUR OWN POWER ADAPTER IF IT DOESN'T CHARGE YOUR LAPTOP
MSI	MSI Modern 14	Incompatible	
MSI	MSI Modern 15	Compatible	
MSI	MSI PS42	Incompatible	
MSI	MSI GS65 Stealth/GS75 Stealth	Compatible	
MSI	MSI P65 Creator 8RE/8R	Incompatible	
MSI	MSI P65 Creator 9Sx	Compatible	
MSI	MSI WS65 9T/WT75	Compatible	
MSI	MSI GT73VR TITAN/GT75	Compatible	