

ACTUALS AND FORECAST

Frequency, Time Period

- Historic data: 2015
- Base year: 2016
- 5-years annual forecast: 2017 2021

Measures

- Unit shipments (kU)
- Adoption rate (%)
- Semiconductor content (\$)
- Connectors revenue (\$)

Regions, Markets

- Worldwide

VERTICAL MARKETS COVERED

- Computing segment (PC)
- Consumer electronics segment (CE)
- Wireless segment (WL)
- Automotive segment (AU)

PRODUCTS COVERED

- Mobile PCs (laptops, notebooks, netbooks)
- Desktop PCs
- LCD PC monitors
- Tablet PCs (incl. 2-in-1 and detachable)
- External HDD & SSD
- Docking stations (Mobile PCs & phones*)
- Discrete adapters & hubs (mobile PCs & phones*)
- USB Flash drives
- Battery charger (Mobile PCs & phones*)
- TVs
- DVD and Blu-ray players/recorders
- Set-top boxes (Digital, OTP, FTA*)
- Projectors (Home Theater/Business)
- Video games (Consoles/Handheld)
- Digital cameras (Still/Video)
- Virtual Reality (VR) headset
- Soundbars*
 Drones*
- Drones*
- A/V Receivers
- Portable media players/MP3 Players
 Mobile Phones
- Mobile Phones
 Media tablets
- Media tablets
 Powerbanks*
- Automotive

*New devices included in this edition

TECHNOLOGIES COVERED

- USB Type-C
- Power Delivery
- Alternate Modes
 - HDMI
 - DisplayPort
 - Mobile High-definition Link (MHL)
 - Thunderbolt
 - USB Audio over USB Type-C



TECHNOLOGY, MEDIA & TELECOM ABSTRACT

USB Type-C Report - 2018

Dinesh Kithany, Senior Principal Analyst Noman Akhtar, Analyst November 2017

The USB Type-C revolution: The USB Type-C market witnessed varying level of adoption across product segments in last two years.

USB Type-C specification represents a new paradigm that will turn the interface technology market on its head. Part of the USB 3.1 specification, USB Type-C includes a new cable and connector combination that incorporates faster data transfer, as well as accommodating competing interface specifications through various Alternate Modes. In addition, it offers up to 100 watts of power delivery, giving device vendors the option of having a single cable to deliver data, audio, video and power.

Alternate Modes brings in options to integrate DisplayPort, HDMI, MHL, Thunderbolt and USB Audio through USB Type-C connectors. This sets up a scenario where say a notebook PC could transmit video to a DisplayPort monitor, data to a mobile phone, USB flash drives or Thunderbolt external hard drive while also delivering 100 watts of charging power, all through this single cable type. USB Type-C is representing the holy grail of interfaces, increasing convenience to the point where only wireless technologies rival it as well as reducing the electrical wastage and clutter of cables to manage..

This 2018 edition of our USB Type-C report looks at the annual adoption rate of USB Type-C connectors and Power Delivery across 30 individual applications within PC, CE, wireless, and automotive segments from 2015 through 2021. Analysis and five years annual forecasts of each USB Type-C Alternate Mode within each of these products/application is also included in this report.

This 2018 edition of topical report is published under the IHS Markit's Consumer Electronics Intelligence Service, and is currently available for s. An Excel spreadsheet with around 60 tables accompanies the full pdf format report document.

Global adoption of USB Type-C across product segment : 2016 - 2021



Wireless segment (WL)
 Consumer electronics segment (CE)

Computing segment (PC)
 Automotive segment (AU)

Source: USB Type-C Report - 2018 Edition

Key Issues Addressed

- What is the current and future adoption of USB Type-C across PC, CE, wireless and automotive segments?
- Which applications will adopt/withdraw using which USB Type-C protocol/s over the next five years?
- What is the impact of USB Type-C on the overall wired interface market?
- What is the size of USB Type-C connector and semiconductor market?

Applicable To

 Marketing and product managers, market analysts, executives

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- Business and strategic planners
- Semiconductor suppliers
- PC, CE and automotive device Vendors
- $-\,$ Device makers OEMs and ODMs
- Cable and connector vendors
- Trade associations/ Industry bodies
- Financial institutions, banks, securities firms, venture capitalists

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IHS Markit Technology combines market, technology and supply-chain analysis and forecasts at every operational step of the electronics value chain from strategy, planning and analysis to product design and development and supply chain management.

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Variance analysis - Last 2017 edition report versus current 2018 edition report

USB Type-C connector market

Semiconductor market for USB Type-C

Summary

Appendix: Definitions of key terms

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