# ACTUALS AND FORECAST

## Frequency, Time Period

- Historic data: 2015
- Base year: 2016
- 5-year 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
- External HDD & SSD
- Mobile PC docking stations
- Discrete adapters & hubs
- TVs
- DVD and Blu-ray players/ recorders
- Set-top boxes
- Projectors (Home Theater/ Business)
- Video games (Consoles/ Handheld)
- Digital cameras (Still/ Video)
- Virtual Reality (VR) headset
- Soundbars
- Drones
- A/V Receivers
- Portable media players/MP3 Players
- Smartphones
- Media tablets
- Automotive

# **TECHNOLOGIES COVERED**

- High Definition Multimedia Interface (HDMI)
- DisplayPort
- Mobile High-definition Link (MHL)
  Thunderbolt
- USB 3.1 (Gen 1 and Gen 2)



**TECHNOLOGY, MEDIA & TELECOM ABSTRACT** 

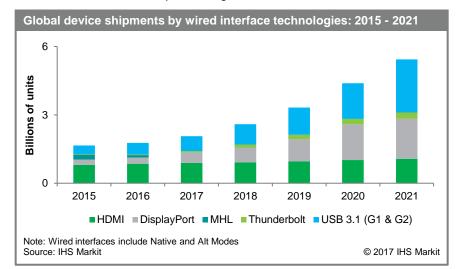
# **Interface Battleground 2017**

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The market for display interfaces depends to a large degree upon PC, CE and wireless applications. The market was mixed in 2016, but high-volume applications such as Laptops, TVs and smartphones led the way. USB 3.1 which include Gen 1 and Gen 2 is forecast to reach 37% share of global device shipment in 2021. Future adoption of these technologies will be influenced by a variety of factors, including the recently released USB Type-C connectors, which allow USB to accommodate other interfaces.

This is the third edition of the IHS Markit research into the wired interface market. It looks at the annual penetration rates through 2021 of the five interface technologies within 25+ applications in the PC, CE, wireless and automotive segments. It includes analysis of each technology as well as competitive technologies, including VGA, DVI, DiiVA and HDBaseT.

For the first time in this 2017 edition, IHS Markit added an analysis of the USB 3.1 interface spilt by Gen 1 and Gen 2. This edition also provides a broad overview on the effect of these wired interfaces on the connector and semiconductor markets in terms of revenues for each of the four product segments.



# Key Issues Addressed

- What is the five-years market forecast for wired interfaces in PC, CE, wireless and automotive?
- Which applications will adopt/drop which of these wired interfaces over the next five years?
- What are the primary benefits and drawbacks of each interface technology?
- What is the impact of USB Type C on the overall interface market?
- What is the impact of these wired interfaces on its connector and semiconductor market?

# Applicable To

- Marketing and product managers, market analysts, executives
- Business and strategic planners
- Semiconductor suppliers
- PC, CE and automotive device Vendors
- Device manufacturers OEMs and ODMs
- Cable and connector vendors
- Trade associations/ Industry bodies
- Financial institutions, banks,
- securities firms, venture capitalists

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## ABOUT IHS MARKIT TECHNOLOGY

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.

IHS (NYSE: IHS) is the leading source of insight, analytics and expertise in critical areas that shape today's business landscape. Businesses and governments in more than 150 countries around the globe rely on the comprehensive content, expert independent analysis and flexible delivery methods of IHS to make high-impact decisions and develop strategies with speed and confidence. IHS has been in business since 1959 and became a publicly traded company on the New York Stock Exchange in 2005. Headquartered in Englewood, Colorado, USA, IHS is committed to sustainable, profitable growth and employs about 8,800 people in 32 countries around the world.

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Wired interface connector market

Semiconductor market for wired interface

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Appendix B: Definitions of key terms

For more information technology.ihs.com

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