

Report Price: £3695 | \$4995 | €4400

The above prices are correct at the time of publication, but are subject to change due to currency fluctuations.

# This report looks at the following areas:

- Metaverse awareness, knowledge and attitudes
- Household tech ownership, purchases since the start of the pandemic and future purchase intent
- Tech hardware and services sector market value indicators and forecast
- Motivations for home electronics purchases
- The importance of brand names, in-person shopping and the prevalence of stock shortages

Following Facebook's rebranding to Meta in October 2021, it seemed mentions of the "metaverse" were everywhere. Companies from tech to retail to entertainment announced their metaverse aspirations, and consumers joined in on the excitement. While the metaverse was practically unheard of just six months ago, four in 10 Americans now claim to be at least a little knowledgeable about it. It is still early for the technology as a concept, and there will be an opportunity to educate consumers as awareness continues to grow. Stakeholders should focus on the metaverse's utility to the daily lives of the average consumer rather than just its exciting futuristic aspects.

In the more immediate term, the digital tech hardware industry has been particularly impacted by supply chain shortages. Processor chips have been one of the hardest hit resources in the market, affecting many tech categories. Meanwhile, inflation is putting more pressure on consumer budgets, which is keeping consumer confidence low despite stabilizing employment and GDP. The combined result of these factors is that consumers are often finding it hard to get the products they want, while demand may soften compared to 2021 as Americans scrutinize their budgets more closely due to rising prices.

Looking ahead, certain tech categories face the threats of returning to a market where mobility and behaviors are similar to pre-pandemic. Namely, devices like VR headsets and connected home fitness machines were uniquely relevant during the pandemic, lockdowns and social distancing – as well as



"Two years on from the beginning of the pandemic, there is a simultaneous increase of both clarity and uncertainty. Consumer behavior is returning more to pre-pandemic levels as restrictions loosen and mobility increases; but at the same time, the metaverse is creating questions about what the future of the internet will look like."

# Scott Stewart, Associate Director – Mintel Reports

Visit	store.mintel.com
EMEA	+44 (0) 20 7606 4533
Brazil	0800 095 9094
Americas	s +1 (312) 943 5250
China	+86 (21) 6032 7300
APAC	+61 (0) 2 8284 8100

Report Price: £3695 | \$4995 | €4400

The above prices are correct at the time of publication, but are subject to change due to currency fluctuations.



when households had increased savings from a combination of less spending and stimulus checks – but will struggle to stay that way once consumers leave the home more and are less in need of remote tools to keep their distance from others.

Nevertheless, the outlook is generally positive for the tech industry – and specifically hardware. Consumers' lives are becoming increasingly digital, with the pandemic acting as a catalyst. As more behaviors go digital, hardware demand will grow – either because consumers want more devices to use or upgrade their current devices to keep up with new digital innovations. Certain categories may fare better than others, but the tech hardware industry in general is well positioned to remain strong despite some of the external factors that are present as the market returns to relative normalcy.

#### What's included

**Executive Summary** 

Full Report PDF

Infographic Overview

Powerpoint Presentation

Interactive Databook

Previous editions

# Did you know?

This report is part of a series of reports, produced to provide you with a more holistic view of this market.

All Mintel 2020 reports contain specific COVID-19 related research and forecasts. The world's leading brands rely on Mintel reports for the most complete, objective and actionable market intelligence.

Visit	store.mintel.com
EMEA	+44 (0) 20 7606 4533
Brazil	0800 095 9094
Americas	+1 (312) 943 5250
Americas China	+1 (312) 943 5250 +86 (21) 6032 7300

Report Price: £3695 | \$4995 | €4400

The above prices are correct at the time of publication, but are subject to change due to currency fluctuations.



#### Table of Contents

#### **OVERVIEW**

- What you need to know
- · Key issues covered in this Report
- Definition
- Market context
- COVID-19: US context
- Economic and other assumptions

#### **EXECUTIVE SUMMARY**

- Top takeaways
- Market overview

Figure 1: Technology hardware and digital communication services outlook, 2022–27

- Opportunities
- The metaverse is a new world of opportunities, but should be approached cautiously
- The pandemic has proven tech hardware's ongoing relevance
- Young families represent an opportunity for targeted marketing
- Challenges
- A turning point for pandemic-relevant tech
- Supply shortages are a risk to brand loyalty

#### MARKET SIZE AND FORECAST

• Growth will continue but slow from pandemic peak

Figure 2: Total US consumer expenditures and fan chart forecast for technology hardware and communications services, at current prices, 2016-26

Figure 3: Total US consumer expenditures and forecast for technology hardware and communications services, at current prices, 2016-26

#### SEGMENT PERFORMANCE

- Hardware spending surpasses communications services
  Figure 4: Total US consumer expenditures and forecast for technology hardware and communications services, at current prices, by segment, 2016–26
- Tech hardware will continue to grow
  Figure 5: Total US consumer expenditures and fan chart forecast for technology hardware, at current prices, 2016-26
- Communications services will see more modest growth

#### What's included

**Executive Summary** 

Full Report PDF

Infographic Overview

Powerpoint Presentation

Interactive Databook

Previous editions

# Did you know?

This report is part of a series of reports, produced to provide you with a more holistic view of this market.

All Mintel 2020 reports contain specific COVID-19 related research and forecasts. The world's leading brands rely on Mintel reports for the most complete, objective and actionable market intelligence.

Visit	store.mintel.com
EMEA	+44 (0) 20 7606 4533
Brazil	0800 095 9094
Americas	+1 (312) 943 5250
China	+86 (21) 6032 7300
APAC	+61 (0) 2 8284 8100

# Report Price: £3695 | \$4995 | €4400

The above prices are correct at the time of publication, but are subject to change due to currency fluctuations.



Figure 6: Total US consumer expenditures and fan chart forecast for communication services, at current prices, 2016-26

#### **MARKET FACTORS**

- Government decisions will have short- and long-term impacts on the market
- Stimulus support for Americans affected their ability to spend on tech

Figure 7: Personal income from government social benefits, monthly adjusted, 2019-2022

Figure 8: Personal income, monthly adjusted, 2019-2022

- Domestic computer chip legislation will bolster supply in the future
- Macro economic indicators show stability but some uncertainty
- Sustainability will become an increasing concern in tech hardware

#### MARKET SHARE/KEY PLAYERS

Common themes among leading tech companies
 Figure 9: Market capitalization of key tech companies, 2022

#### **COMPETITIVE STRATEGIES**

- How companies are approaching the metaverse
- Meta makes a big bet
- Microsoft is previewing its Mesh platform
  Figure 10: Introducing Microsoft Mesh, 2021
- Google and Apple are quietly planning for the metaverse
- Leading brands have been susceptible to supply shortages
- Amazon Astro brings home robotics to the mainstream market

Figure 11: Introducing Amazon Astro – Household Robot for Home Monitoring, with Alexa, 2021

#### **MARKET OPPORTUNITIES**

- The metaverse is on trend, but will need to prove its usefulness
- An opportunity for brands to make a statement

#### **DIGITAL TRENDS: FAST FACTS**

- The metaverse is still a new concept for most consumers
- · The metaverse is futuristic, but not yet useful

# What's included

**Executive Summary** 

Full Report PDF

Infographic Overview

Powerpoint Presentation

Interactive Databook

Previous editions

# Did you know?

This report is part of a series of reports, produced to provide you with a more holistic view of this market.

All Mintel 2020 reports contain specific COVID-19 related research and forecasts. The world's leading brands rely on Mintel reports for the most complete, objective and actionable market intelligence.

Visit	store.mintel.com
EMEA	+44 (0) 20 7606 4533
Brazil	0800 095 9094
Americas	+1 (312) 943 5250
China	+86 (21) 6032 7300
APAC	+61 (0) 2 8284 8100

Report Price: £3695 | \$4995 | €4400

The above prices are correct at the time of publication, but are subject to change due to currency fluctuations.



- VR and connected fitness purchases were sparked by the pandemic
- · That momentum is slowing, though
- Consumers are noticing supply shortages
- Shortages are a risk to loyalty
- But brand trust remains invaluable
- In-store shopping is still an important tech experience

#### THE METAVERSE: CONSUMER KNOWLEDGE AND INTERESTS

Few Americans know much about the metaverse

Figure 12: Metaverse awareness and knowledge, by gender and age, 2022

Figure 13: Metaverse awareness and knowledge, by social media platform – Daily users, 2022

 Consumers associate more positives than negatives with the metaverse

Figure 14: Metaverse associations, 2022

 Socializing, gaming and virtual experiences are of interest to consumers

Figure 15: Metaverse activities of interest, 2022

### ATTITUDES TOWARD THE METAVERSE

Consumers are not sold on the metaverse but see specific applications

Figure 16: Attitudes toward the metaverse – Positive, 2022

Worry is more prevalent than wonder

Figure 17: Attitudes toward the metaverse – Negative, 2022

 Half predict people will eventually spend most of their time in the metaverse

Figure 18: Attitudes toward the metaverse - Predictions, 2022

How to make the metaverse resonate with consumers
 Figure 19: Attitudes toward the metaverse – Interests, 2022

#### HOUSEHOLD ELECTRONICS OWNERSHIP

Connected computers are the bedrock of home electronics
 Figure 20: Household electronics ownership, 2021
 Figure 21: Made by Google Instagram post, 2022

- Emerging tech is still awaiting its tipping point into mainstream
- Ownership is higher among young parents

Figure 22: Household electronics ownership – VR headsets and connected home fitness machines, by age and parental status, 2021

#### What's included

**Executive Summary** 

Full Report PDF

Infographic Overview

Powerpoint Presentation

Interactive Databook

Previous editions

# Did you know?

This report is part of a series of reports, produced to provide you with a more holistic view of this market.

All Mintel 2020 reports contain specific COVID-19 related research and forecasts. The world's leading brands rely on Mintel reports for the most complete, objective and actionable market intelligence.

Visit	store.mintel.com
EMEA	+44 (0) 20 7606 4533
Brazil	0800 095 9094
Americas	+1 (312) 943 5250
China	+86 (21) 6032 7300
APAC	+61 (0) 2 8284 8100

Report Price: £3695 | \$4995 | €4400

The above prices are correct at the time of publication, but are subject to change due to currency fluctuations.



 25-54 year olds are the "sweet spot" for smart home devices

Figure 23: Household electronics ownership – Smart speakers and smart lights, by age, 2021

#### HOUSEHOLD ELECTRONICS PURCHASES SINCE COVID-19

 Pandemic purchases were more valuable for certain categories

Figure 24: Household electronics purchases since COVID-19, 2021

Figure 25: Household electronics purchases since COVID-19, 2021

 Parents have made the most purchases during the pandemic

Figure 26: Household electronics purchases since COVID-19, by age and parental status, 2021

# **REASONS FOR HOME ELECTRONICS PURCHASES**

Home comfort and entertainment drive household tech purchases

Figure 27: Reasons for home electronics purchases since the beginning of the pandemic, 2021

Higher-income household more likely to make purchases for work

Figure 28: Reasons for home electronics purchases – To help with my work, by work commute, 2021

Figure 29: Reasons for home electronics purchases, by household income, 2021

VR and connected fitness machines benefited from discretionary spending

Figure 30: Reasons for home electronics purchases, by household electronics purchased since COVID-19, 2021

 Younger men value the role of technology in the home experience

Figure 31: Reasons for home electronics purchases – Home comfort, by gender and age, 2021

#### HOME ELECTRONICS PURCHASING

Purchase intent gives perspective on future tech trends
 Figure 32: Home electronics purchasing plans, 2021

Young parents have the highest demand levels
 Figure 33: Home electronics purchasing plans, by parental status and age, 2021

Supply shortages remain an issue

#### What's included

**Executive Summary** 

Full Report PDF

Infographic Overview

Powerpoint Presentation

Interactive Databook

Previous editions

# Did you know?

This report is part of a series of reports, produced to provide you with a more holistic view of this market.

All Mintel 2020 reports contain specific COVID-19 related research and forecasts. The world's leading brands rely on Mintel reports for the most complete, objective and actionable market intelligence.

Visit	store.mintel.com
EMEA	+44 (0) 20 7606 4533
Brazil	0800 095 9094
Americas	+1 (312) 943 5250
Americas China	+1 (312) 943 5250 +86 (21) 6032 7300

Report Price: £3695 | \$4995 | €4400

The above prices are correct at the time of publication, but are subject to change due to currency fluctuations.



Figure 34: Home electronics shopping experience, 2021

#### HOUSEHOLD DEVICE USAGE

- Positioning household devices as helpful investments
  Figure 35: Household device usage, 2021
- Increasing connected home fitness machine and VR headset value with shared usage
- Younger men are more likely to have exclusive TV and gaming use

Figure 36: Household device usage – Ultra-HD TVs and video game consoles, by gender and age, 2021

#### ATTITUDES TOWARD ELECTRONICS AND TECHNOLOGY

 Tech branding is valuable to consumers, but not irreplaceable

Figure 37: Attitudes toward electronics and technology – Branding, 2021

- Durability in tech is a big concern among consumers
  Figure 38: Attitudes toward electronics and technology –
  Durability and warranties, 2021
- Understanding the tech shopping experience
- The in-person experience is important to tech shoppers
  Figure 39: Attitudes toward electronics and technology –
  Purchasing preferences, 2021
- Trust in the shopping process is a major concern
  Figure 40: Attitudes toward electronics and technology –
  New technology, 2021
- Using social media to target early adopters
  Figure 41: Attitudes toward electronics and technology New technology, by daily usage of platforms, 2021

#### **APPENDIX – DATA SOURCES AND ABBREVIATIONS**

- Data sources
- Sales data
- Forecast
- Consumer survey data
- Mintel Trend Drivers
- Abbreviations and terms
- Abbreviations
- Terms

#### What's included

Executive Summary

Full Report PDF

Infographic Overview

Powerpoint Presentation

Interactive Databook

Previous editions

# Did you know?

This report is part of a series of reports, produced to provide you with a more holistic view of this market.

All Mintel 2020 reports contain specific COVID-19 related research and forecasts. The world's leading brands rely on Mintel reports for the most complete, objective and actionable market intelligence.

Visit	store.mintel.com
EMEA	+44 (0) 20 7606 4533
Brazil	0800 095 9094
Americas	+1 (312) 943 5250
China	+86 (21) 6032 7300
APAC	+61 (0) 2 8284 8100

Report Price: £3695 | \$4995 | €4400

The above prices are correct at the time of publication, but are subject to change due to currency fluctuations.



#### APPENDIX - THE MARKET

Figure 42: Total US consumer expenditures and forecast for technology hardware and communications services, at inflation-adjusted prices, 2016–26

Figure 43: Total US consumer expenditures and forecast for technology hardware and communications services, by segment, at current prices, 2016-26

Figure 44: Total US consumer expenditures and forecast for technology hardware, at inflation-adjusted prices, 2016-26 Figure 45: Total US consumer expenditures and forecast for communications services, at inflation-adjusted prices, 2016-26

# What's included

Executive Summary

Full Report PDF

Infographic Overview

Powerpoint Presentation

Interactive Databook

Previous editions

# Did you know?

This report is part of a series of reports, produced to provide you with a more holistic view of this market.

All Mintel 2020 reports contain specific COVID-19 related research and forecasts. The world's leading brands rely on Mintel reports for the most complete, objective and actionable market intelligence.

Visit	store.mintel.com
EMEA	+44 (0) 20 7606 4533
Brazil	0800 095 9094
Americas	+1 (312) 943 5250
Americas China	+1 (312) 943 5250 +86 (21) 6032 7300



# **About Mintel**

Mintel is the expert in what consumers want and why. As the world's leading market intelligence agency, our analysis of consumers, markets, product innovation and competitive landscapes provides a unique perspective on global and local economies. Since 1972, our predictive analytics and expert recommendations have enabled our clients to make better business decisions faster

Our purpose is to help businesses and people grow. To find out how we do that, visit mintel.com.