Consumer Electronics Market Size By Product (Audio & Video Equipment [Personal, Professional], Major Household Appliance, Small Household Appliance, Digital Photo Equipment [Personal, Professional]), Industry Analysis Report, Regional Outlook, Growth Potential, Price Trends, Competitive Landscape & Forecast, 2020 – 2026



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**Note:** The final report will include all the major players active in the consumer electronics market.



# **Chapter 1 Methodology & Scope**

### 1.1 Methodology

Our research process is uniquely designed with enough flexibility to ensure best practices for each assignment but retaining the core elements that ensure accuracy and authenticity. Common parameters studied and evaluated for this assignment include:

- Macro-economic factors
- Micro-economic factors
- Technology & innovation
- Regulatory and political scenario
- Demographics
- Value chain
- Market dynamics
- Industry insights

#### 1.1.1 Initial data exploration

Our process started with an initial exploration, which enabled us to form a preliminary understanding about the problem in hand as well as the scope of the research. The data was mined on an extensive level from our own repository of reports as well as independent studies along with industry-accepted secondary sources such as ICIS, Hoover's, Reuters, Technical Journals, and Trade Magazines. We also have a regular access to technical papers published by various universities and research establishments across the globe.

This research played an important role in providing us with an early understanding of the business environment and designing a study that was in-line with the industry dynamics.

Key takeaways from this phase of research included:

- Research scope
- Industry analysis
- Market segmentation
- Market dynamics
- Regulatory trends
- Statistical data

#### Latest developments

#### 1.1.2 Statistical model and forecast

Data modeling and forecasting are our core strengths, where we design unique models to estimate and forecast market evolution. These models are econometric or technical, based on the time period under consideration, and are iterative and customizable in nature so as to minimize errors and improve accuracy.

Owing to the growing need for granular information, we use a pyramid approach for forecasting, also referred to as bottom-up methodology, where we evaluate each regional market separately, taking into consideration domestic as well as international dynamics to arrive at market numbers. The global data is obtained by integrating regional information.

A number of tools and statistical modeling techniques are utilized by our team, including software packages such as SPSS and analytical approaches such as regression, correlation, WMA (Weighted Moving Average), time-series, and variation.

Some of the parameters integrated into our forecasting models include:

- · Growth drivers, restraints, and key trends
- Dynamics in application markets
- Regulatory and political updates and their impacts
- Emerging technology development trends

# 1.1.3 Industry insights and validation

We believe primary research to be the most important component that provides us a competitive advantage over our peers. Our specialized team conducts primary interviews at various stages of research to gain a deep understanding of the customer needs, business environment, and expected future developments. For every assignment, over 30 such interviews are conducted with key business leaders such as CEOs, CSOs, CMOs, technology experts, suppliers, procurement experts as well as potential customers.

Interviews for this report were conducted in the form of extensive discussions, which enabled us to obtain penetrating insights into the industry, as well as collect root-level information, in addition to validating our estimates.

#### 1.1.4 Definitions

- **Consumer electronics** are devices such as televisions, smartphones, laptops and household appliances, containing an electronic circuit board intended for use by individuals for personal as well as professional applications.
- Product markets have been defined as follows:
  - Audio & video equipment comprise TV, laptop, smartphones, earphones & headphones, and speakers
  - Major household appliances comprise refrigerator, air conditioner, and washing machines
  - Small household appliances include iron box, microwave ovens, food processors, and electric kettle
  - Digital photo equipment includes digital cameras and camcorders
- The application markets include personal and professional application. Audio & video equipment along with digital photo equipment are utilized for both personal and professional applications whereas major household appliance and small household appliance are used only for personal applications:
  - In audio & video equipment, earphones and headphones are used for professional applications, for instance call center, industrial, aviation, construction and public safety.
  - Digital photo equipment such as digital cameras and camcorders are used for professional applications for instance television studios, recording movie, professional photography

Therefore, the total application market size corresponds to the market size generated by earphones & headphones and digital photo equipment.

- North America includes the U.S. and Canada
- Europe includes Western Europe, CIS, and Central & Eastern Europe
- Asia Pacific includes Japan, China, India, Taiwan, Korea, Australia, etc.
- Latin America includes Brazil, Argentina, Chile, and other Latin American countries.
- MEA denotes the Middle East and African regions

#### 1.1.5 Methodology and forecast parameters

- The scope of the study includes actual market size for 2016, 2017, 2018 and 2019 an annual forecast from 2020 to 2026.
- The market has been estimated considering the demand in terms of unit shipments for all the country level markets. In order to analyze the demand, we have taken into consideration the data reported in the press releases by the companies operating in the following businesses:
  - Major household appliances (refrigerator, air conditioner, washing machine)
  - Small household appliances (iron box, microwave ovens, food processors, electric kettle)
  - Smartphones
  - Laptops
  - Earphones & headphones
  - Speakers
  - Digital photo equipment (cameras and camcorders)
- These companies have also reported their performance in the global and regional market, current trends and prices in all the categories. The <u>average retail price</u> was considered for each of the products in the scope of the study, which was multiplied with the shipments in order to arrive at the regional revenue.
- The regional market shipments and revenue were aggregated to arrive at the global estimates.
- Forecasting involved the use of statistical modelling via regression analysis. For each regional level market, key industry impact forces were analyzed and assigned weights in order of their importance. These weights were distributed across the forecast period and a regional growth rate was derived. Some of the major parameters include:
  - Historical market performance
  - Economic performance
  - Market dynamics
  - Regulatory framework
- The market estimates and forecast parameters have been validated through extensive discussion-based interviews through primary research with key industry participants and opinion leaders.
- The study does not include customer profiles as mentioned in the table of contents, as consumer electronics industry is a B2C market

- · Totals have been rounded off
- GDP and inflation have not been considered in estimates and forecasts

### 1.2 Data Sources

### 1.2.1 Secondary

- Association of Home Appliances Manufacturers (AHAM)
- Consumer Electronics Suppliers Association (CESA Australia)
- Korea Electronics Association (KEA)
- European Committee of Domestic Equipment Manufacturers (CECED)
- China Household Electrical Appliances Association (CHEAA)
- Japan Electrical Manufacturers' Association (JEMA)
- Asociación Nacional de Fabricantes de Aparatos Domésticos A.C. (ANFAD Mexico)
- Association of Manufacturers of Domestic Appliances (AMDEA UK)
- Institute of Electrical and Electronics Engineers (IEEE)
- India Brand Equity Foundation (IBEF)
- Environmental Protection Agency
- Wireless Association
- TechCrunch
- GigaOM
- Digital Trends
- IEEE
- The Hearing Industries Association
- American Osteopathic Association
- The Huffington Post
- European Hearing Industry Manufacturer's Association
- Consumer Electronics and Appliances Manufacturers Association (CEAMA)
- Consumer Technology Association (CTA)
- European Association of Consumer Electronics Manufacturers (EACEM)
- The Consumer Electronics Suppliers' Association (CESA)
- The Consumer Electronics Distributors Association (CEDA)
- Mobile Marketing Association, Inc.
- Camera & Imaging Products Association (CIPA)

- European Imaging and Sound Association
- National Federation of Filipino American Associations
- All India Air conditioning & Refrigeration Association
- Taiwan Electrical and Electronic Manufacturers' Association (TEEMA)
- Japan Electronics and Information Technology Industries Association
- Industry Journals
- Investor Presentations
- D&B Hoover's
- Company Annual Reports

## 1.2.2 Primary

- XXXXXXXXXXX
- XXXXXXXXXXX
- XXXXXXXXXX
- XXXXXXXXXXX

# **Chapter 2 Executive Summary**

# 2.1 Consumer electronics industry 360° synopsis, 2019 - 2026

**TABLE 1.** Consumer electronics industry 360° synopsis, 2019 - 2026

Industry Factor	Description
Market size & forecast	Revenue USD xx Billion (2019) USD xx Billion (2026)  Shipment xx Million Units (2019) xx Million Units (2026)
Product trend (2019) (Revenue)	Audio & video equipment – xx%  Major household appliance – xx%  Small household appliance – xx%  Digital photo equipment – xx%
Regional trend (2019) (Revenue)	North America- xx%  Europe - xx%  Asia Pacific - xx%  Latin America - xx%  MEA- xx%
Growth summary	**************************************
Industry analysis summary	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

#### 2.1.1 Business trends

The improvement in the global economic conditions has led to the increase in the disposable income across the world. Consumers in certain regions such as North America and Europe are placing a high focus on luxury goods with high brand value. For instance, consumers in these regions are more inclined to adopt Apple products such as smartphones, laptops, earphones & headphones as compared to the other regions. Furthermore, the early adoption of such devices is very high in such regions. The rising trend of IoT and connected technologies is paving new pathways for the industry. Manufacturers in the consumer electronics space are collaborating with technology providers to provide high-tech products for the tech-savvy customers. Various economies are undertaking smart home projects across the globe with governments in countries like U.A.E and U.K allocating large amount of financial resources for this market.

TABLE 2. Global consumer electronics market, 2013 - 2015 (USD Billion)

	2013	2014	2015
USD Million	862,15	987.16	1,067.51

**TABLE 3.** Global consumer electronics market, 2016 - 2019 (USD Billion)

	2016	2017	2018	2019
USD Billion	XX	xx	хх	хх

**TABLE 4.** Global consumer electronics market, 2020 – 2026 (USD Billion)

	2020	2021	2022	2023	2024	2025	2026	CAGR (2020-26)
USD Billion	xx	xx%						

**TABLE 5.** Global consumer electronics market, 2016 - 2019 (Million Units)

	2016	2017	2018	2019
Million Units	xx	хх	хх	xx

**TABLE 6.** Global consumer electronics market, 2020 - 2026(Million Units)

	2020	2021	2022	2023	2024	2025	2026	CAGR (2020-26)
Million Units	xx	xx%						

#### 2.1.2 Regional trends

The Asia Pacific region is anticipated to witness high growth in the consumer electronics market due to the large number of household appliances and smartphone users. Asia Pacific market is mainly driven by the presence of high population and growing disposable income in economies such as China, India Japan and South Korea. The region is expected to dominate over the forecast timespan owing to the expansion of mobile device industries in densely populated countries. In addition, the growing demand for headsets from offshoring centres in India and Philippines is forecast to augment the demand. Favourable government initiatives pertaining to the promotion of smart city and smart home technologies is placing a high demand for consumer electronics market.

TABLE 7. Global consumer electronics market, by region, 2016 - 2019 (USD Billion)

Segment	2016	2017	2018	2019
North America	xx	xx	XX	xx
Europe	xx	xx	xx	xx
Asia Pacific	xx	XX	xx	xx
Latin America	xx	xx	xx	xx
MEA	xx	xx	xx	xx
Total	xx	хх	xx	хх

TABLE 8. Global consumer electronics market, by region, 2020 - 2026 (USD Billion)

Segment	2020	2021	2022	2023	2024	2025	2026	CAGR (2020- 26)
North America	xx	xx%						
Europe	xx	xx%						
Asia Pacific	xx	xx%						
Latin America	xx	xx%						
MEA	xx	xx%						
Total	xx	хх	хх	xx	xx	xx	xx	xx%

TABLE 9. Global consumer electronics market, by region, 2016 - 2019 (Million Units)

Segment	2016	2017	2018	2019
North America	XX	xx	xx	xx
Europe	XX	xx	xx	xx
Asia Pacific	XX	xx	xx	xx
Latin America	xx	xx	xx	xx
MEA	xx	xx	xx	xx
Total	XX	хх	хх	хх

TABLE 10. Global consumer electronics market, by region, 2020 - 2026 (Million Units)

Segment	2020	2021	2022	2023	2024	2025	2026	CAGR (2020- 26)
North America	xx	xx%						
Europe	xx	xx%						
Asia Pacific	xx	xx%						
Latin America	xx	xx%						
MEA	xx	xx%						
Total	xx	xx	хх	xx	xx	xx	xx	xx%

The improvement in the global economic conditions has led to the increase in the disposable income across the world. Consumers in certain regions such as North America and Europe are placing a high focus on luxury goods with high brand value. For instance, consumers in these regions are more inclined to adopt Apple products such as smartphones, laptops, earphones & headphones as compared to the other regions. Furthermore, the early adoption of such devices is very high in such regions.

#### 2.1.3 Product trends

TABLE 11. Global consumer electronics market, by product, 2016 - 2019 (USD Billion)

Segment	2016	2017	2018	2019
Audio & video equipment	xx	xx	xx	xx
Major Household appliance	xx	xx	xx	xx
Small household appliance	xx	xx	xx	xx
Digital photo equipment	xx	xx	xx	xx
Total	xx	xx	xx	xx

TABLE 12. Global consumer electronics market, by product, 2020 - 2026 (USD Billion)

Segment	2020	2021	2022	2023	2024	2025	2026	CAGR (2020- 26)
Audio & video equipment	xx	xx%						
Major Household appliance	xx	xx%						
Small household appliance	xx	xx%						
Digital photo equipment	xx	xx%						
Total	хх	хх	хх	хх	xx	xx	хх	xx%

TABLE 13. Global consumer electronics market, by product, 2016 - 2019 (Million Units)

Segment	2016	2017	2018	2019
Audio & video equipment	xx	xx	xx	xx
Major Household appliance	xx	xx	xx	xx
Small household appliance	xx	xx	xx	xx
Digital photo equipment	xx	xx	xx	xx
Total	xx	хх	xx	хх

TABLE 14. Global consumer electronics market, by product, 2020 - 2026 (Million Units)

Segment	2020	2021	2022	2023	2024	2025	2026	CAGR (2020- 26)
Audio & video equipment	xx	xx%						
Major Household appliance	xx	xx%						
Small household appliance	xx	xx%						
Digital photo equipment	xx	xx%						
Total	хх (	xx	хх	хх	xx	хх	xx	xx%

Electric household appliances market is expected to witness a significant growth over the forecast timeline due to the rising disposable income of individuals in Asia Pacific. The increasing demand for air conditioners, refrigerators, and washing machines, can be attributed to the improving living standards and increasing number of households across the globe.

# 2.1.4 Application trends

TABLE 15. Global consumer electronics market, by application, 2016 - 2019 (USD Billion)

Segment	2016	2017	2018	2019
Personal	xx	xx	xx	xx
Professional	xx	xx	xx	xx
Total	xx	хх	хх	xx

TABLE 16. Global consumer electronics market, by application, 2020 - 2026 (USD Billion)

Segment	2020	2021	2022	2023	2024	2025	2026	CAGR (2020- 26)
Personal	xx	xx%						
Professional	xx	xx%						
Total	xx	xx	xx	xx	xx	хх	xx	xx%

TABLE 17. Global consumer electronics market, by application, 2016 - 2019 (Million Units)

Segment	2016	2017	2018	2019
Personal	xx	xx	xx	xx
Professional	xx	xx	xx	xx
Total	xx	хх	xx	хх

TABLE 18. Global consumer electronics market, by application, 2020 - 2026 (Million Units)

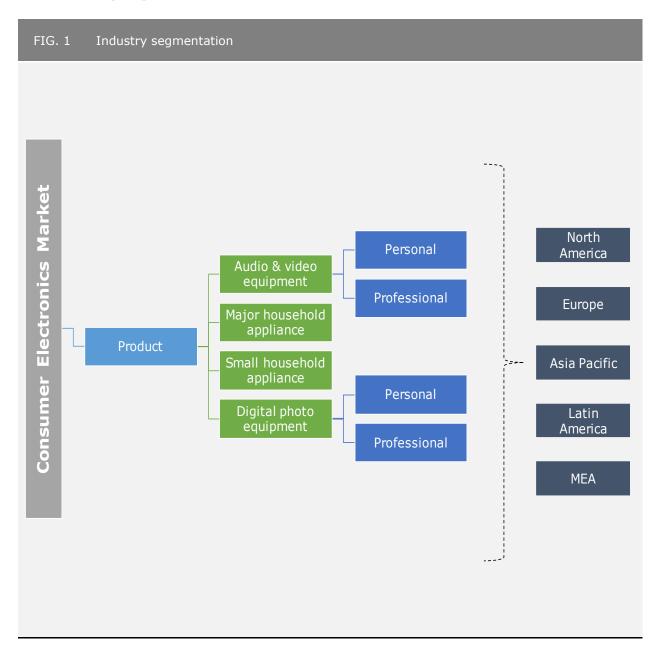
Segment	2020	2021	2022	2023	2024	2025	2026	CAGR (2020- 26)
Personal	xx	xx%						
Professional	xx	xx%						
Total	хх	хх	xx	xx	хх	xx	xx	xx%

Professional application segment is anticipated to experience substantial growth owing to the high emphasis on providing protective equipment such as headphones. The requirement of constant communication in sectors such as the military, construction, public safety, etc. is

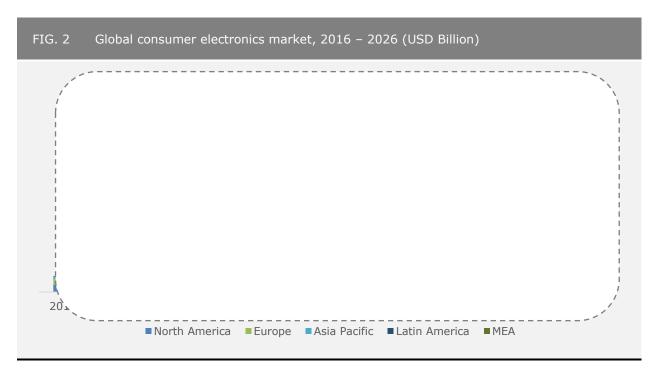
driving demand for professional headphones in the market. The high noise exposure to continuous loud sounds can have long-lasting negative impacts on the hearing of the workforce. Miniaturization of the equipment and technological advancements such as the development of ear canal earphones, active and passive noise cancelling devices, and the improvement of connectivity technologies is anticipated to propel the demand in the professional segment.

# **Chapter 3 Consumer Electronics Industry Insights**

# 3.1 Industry segmentation



# 3.2 Industry landscape, 2019 - 2026



The global consumer electronics industry has been witnessing a moderate growth in sectors including smartphones, earphones & headphones, speakers, and household appliances owing to rising technical advancements in the sectors. The growth is also characterized by the improving economic conditions of individuals coupled with technological advancements for energy-efficient appliances.

**Note**: The section will provide the detail landscape of the consumer electronics market, which will also include the trends such as smartphone, household appliance usage by regions



#### 3.3 Industry ecosystem analysis



The key players operating in the consumer electronics market together with other associated companies are involved in every stage of the ecosystem from pre-production procurement of raw materials and parts to after-sales customer services. To support the global ecosystem, a complete set of back-office services is essential, which is providing various management services, utilities, and research and development for new products, which are helping the companies to maintain competitiveness. Service companies owned by groups are contributing to product designs by collecting feedback from customers and user experiences.

**Note**: The section will provide the detail overview of the entire value chain focusing on the industry participants across the supply chain including component suppliers, software providers, manufacturers, distributors, end-users

### 3.4 Technological and innovation landscape

### 3.4.1 Household equipment

#### 3.4.1.1 NFC technology

Various manufacturers are implementing Near Field Communication (NFC)-enabled appliances that enable users to track the efficiency and the condition of their kitchen appliances via an NFC smartphone loaded with applications. The appliance is integrated with processors and sensors that track the conditions of the appliance, which is connected to an NFC RFID tag, which conveys the information when cross-examined by an NFC reader.

**Note**: The section will provide detailed description of technological trends and advancements that are impacting the consumer electronics market

#### 3.5 Regulatory landscape

#### 3.5.1 U.S.

#### 3.5.1.1 Consumer Product Safety Act

**Note**: The section will provide the detailed regulatory landscape information regarding the laws affecting the market pertaining to production of these devices, copyright laws, and regulations across all the regions including U.S., Europe, China, Russia

### 3.6 Industry impact forces

**TABLE 19. Industry impact forces** 

Growth driver	Short term	Medium term	Long term
Driver 1	xx	xx	xx
Driver 2	xx	xx	XX
Driver 3	xx	xx	xx
Driver 4	xx	xx	xx
Driver 5	xx	xx	xx

Industry pitfall	Short term	Medium term	Long term
Pitfall 1	xx	xx	xx
Pitfall 2	xx	xx	xx
Pitfall 3	xx	xx	xx

#### 3.6.1 Growth drivers

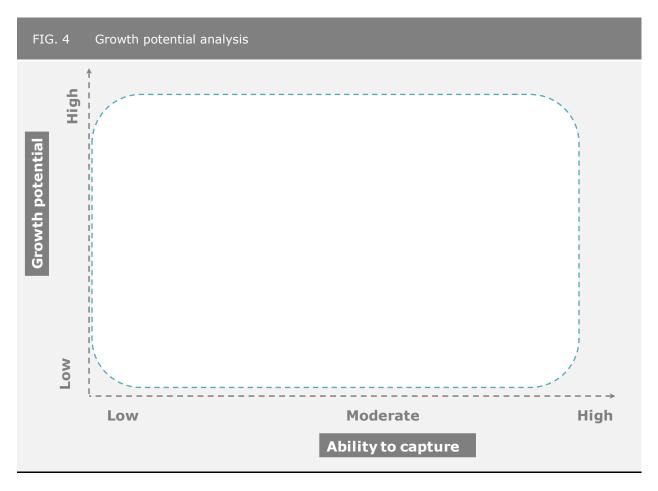
# 3.6.1.1 Audio and video equipment

# 3.6.1.1.1 Technological advancements in earphones & headphones market

Earphone and headphone technology has come a long way since the early days of Walkman. They have now become a necessity rather than a luxury. With the current technological advancements, earphones and headphones have become a common sight on everyone from different age groups to commuters, owing to the ease of listening to music anytime and anyplace.

**Note**: The section will provide a detailed description of the various growth drivers and restraints impacting the consumer electronics market also mentioned in the table of contents

# 3.7 Growth potential analysis



Growth potential denotes the revenue opportunity offered by the segment while the ability to capture denotes the potential of a new entrant to capture the market share, taking into consideration the intensity of competition. The bubble size represents the present revenue.

Smartphones accounted for the largest share of the consumer electronics market and is expected to witness a significant growth over the forecast timeline. Increasing penetration of smartphones across the globe can be attributed to the availability of advanced features such as fingerprint scanners, facial recognition scanners, high-resolution display, and powerful camera systems.

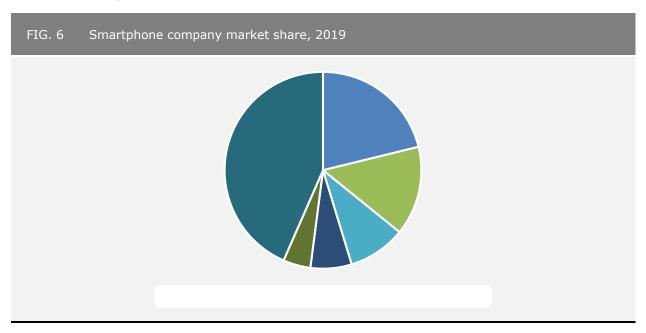
# 3.8 Porter's analysis

FIG. 5 Porter's analysis		
	Threat of new entrants (xx → xx)   XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
Supplier power (xx → xx)  XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Industry rivalry (xx → xx)  XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Buyer power (xx → xx)  XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
	Threat of substitutes (xx → xx)  XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	

**Note**: The section will provide information regarding the industry rivalry, buyer and supplier power, threat of new entrants, and the presence of substitute products

## 3.9 Company market share analysis, 2019

# 3.9.1 Smartphones



The major companies operating in the consumer electronics market are Apple, Samsung, Huawei, LG Electronics, Sony Corporation, Bose, Sonos, Sennheiser, AB Electrolux, Haier, Canon, Nikon, GoPro, etc.

**Note**: The section will contain the various business strategies that the key players have undertaken to sustain growth. Additionally, it also lists the growth potential and the strategies that the companies can take to ensure growth

## 3.10 PESTEL analysis

#### FIG. 7 **PESTEL** analysis Econom Technolog Energy efficient house hold appliances are being developed to reduce the adverse effects on the Environmental environment and also as they offer electricity saving benefits Headphone and earphone manufacture requires substantial usage of raw materials such as PVC, silicone, etc. These require testing to ensure that the final product is not harmful.

**Note**: The section contains a detailed description of the various political, social, legal, technological, environmental, and economic factors that affect the growth of the market

# **Chapter 4 Consumer Electronics Market, By Product**

## 4.1 Key trends by product

- The household appliance market is projected to experience a high growth during the forecast timeframe owing to the rising demand for IoT connected devices. Consumers using traditional systems are anticipated to increasingly switch to using smart devices, such as TVs and speakers, primarily in the Western countries.

## 4.2 Audio & video equipment

The audio and video equipment market are attributed to the development of new technologies such as 4K, 8K, and higher resolution systems. With an increasing number of video content and broadcasting companies such as Netflix and Amazon Prime developing 4K content, the movement towards ultra-high definition systems is anticipated to be very high.

# 4.2.1 Market estimates and forecasts, 2019 - 2026

TABLE 20. Audio & video equipment market size, 2016 - 2019 (USD Billion)

Segment	2016	2017	2018	2019
USD Billion	XX	хх	xx	хх

TABLE 21. Audio & video equipment market size, 2020 - 2026 (USD Billion)

Segment	2020	2021	2022	2023	2024	2025	2026	CAGR (2020-26)
USD Billion	xx	хх	xx	xx	xx	xx	xx	xx%

TABLE 22. Audio & video equipment market size, 2016 - 2019 (Million Units)

Segment	2016	2017	2018	2019
Million Units	хх	хх	хх	хх

TABLE 23. Audio & video equipment market size, 2020 - 2026 (Million Units)

Segment	2020	2021	2022	2023	2024	2025	2026	CAGR (2020-26)
Million Units	xx	xx%						

**Please note:** The above data will be available for all the consumer electronics market segments mentioned in the table of contents for all the regional level markets.



# Chapter 5 Consumer Electronics Market, By Application

## 5.1 Key trends by application

- Segmentation of the application segment indicates that the professional sub-segment
  is anticipated to exhibit high growth during the forecast time-frame. A key factor
  promoting to the increase in demand is the rise in construction activities such as
  development projects of airports, entertainment hubs, restaurants, and public spaces
  which makes use of these systems.

#### 5.2 Personal

The personal consumer electronics segment holds the largest market share in 2016. This is largely due to the rising prominence of advanced and wireless technologies. The rising trend of smart and IoT connected devices, such as smart refrigerators and TVS, having remote and app-based control and sensing capabilities is causing an increasing number of consumers to replace traditional equipment with smart devices. Additionally, most devices, specially laptops, PCs, and TVs are designed for long-term uses and have a long-life span.

## 5.2.1 Market estimates and forecasts, 2019 - 2026

TABLE 24. Personal application market size, 2016 - 2019 (USD Billion)

Segment	2016	2017	2018	2019
USD Billion	хх	xx	хх	хх

TABLE 25. Personal application market size, 2020 - 2026 (USD Billion)

Segment	2020	2021	2022	2023	2024	2025	2026	CAGR (2020-26)
USD Billion	xx	хх	xx	xx	хх	xx	хх	xx%

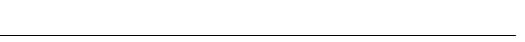
**TABLE 26.** Personal application market size, 2016 - 2019 (Million Units)

Segment	2016	2017	2018	2019
Million Units	xx	хх	xx	xx

**TABLE 27.** Personal application market size, 2020 - 2026 (Million Units)

Segment	2020	2021	2022	2023	2024	2025	2026	CAGR (2020-26)
Million Units	хх	xx	хх	хх	хх	хх	хх	xx%

**Please note:** The above data will be available for all the consumer electronics market segments mentioned in the table of contents for all the regional level markets.



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# **Chapter 6 Consumer Electronics Market, By Region**

## 6.1 Key trends by region

- Wide scale residential and commercial development projects is aiding in the growth of
  the consumer electronics market. This trend is highly amplified in the South-East Asian
  countries such as the construction of the Beijing Daxing Airport. Additionally, rapid
  urbanization has led to consumers shifting away from rural and semi-rural locations.
  This demand is further streamlined by the increase in global economic conditions and
  the higher dependence on technology for the operations of every-day activities.

#### 6.2 North America

# 6.2.1 Market estimates and forecasts by product, 2019 - 2026

**TABLE 28.** North America market estimates by product, 2016 - 2019 (USD Billion)

Segment	2016	2017	2018	2019
Audio & video equipment	xx	xx	xx	xx
Major Household appliance	хх	xx	xx	xx
Small household appliance	xx	xx	xx	xx
Digital photo equipment	xx	xx	xx	xx
Total	xx	xx	xx	хх

**TABLE 29.** North America market estimates by product, 2020 - 2026 (USD Billion)

Segment	2020	2021	2022	2023	2024	2025	2026	CAGR (2020- 26)
Audio & video equipment	xx	xx%						
Major Household appliance	xx	xx%						
Small household appliance	xx	xx%						
Digital photo equipment	xx	xx%						
Total	xx	хх	xx	xx	XX	xx	xx	xx%

TABLE 30. North America market estimates by product, 2016 - 2019 (Million Units)

Segment	2016	2017	2018	2019
Audio & video equipment	xx	XX	xx	xx
Major Household appliance	xx	xx	xx	xx
Small household appliance	xx	xx	xx	xx
Digital photo equipment	xx	xx	xx	xx
Total	xx	xx	xx	xx

TABLE 31. North America market estimates by product, 2020 - 2026 (Million Units)

Segment	2020	2021	2022	2023	2024	2025	2026	CAGR (2020- 26)
Audio & video equipment	xx	xx%						
Major Household appliance	xx	xx%						
Small household appliance	xx	xx%						
Digital photo equipment	xx	xx%						
Total	xx	xx%						

# 6.2.2 Market estimates and forecasts by application, 2019 - 2026

TABLE 32. North America audio & video equipment market estimates by application, 2016 - 2019 (USD Billion)

Segment	2016	2017	2018	2019
Personal	xx	xx	xx	xx
Professional	xx	xx	xx	xx
Total	хх	xx	xx	хх

TABLE 33. North America audio & video equipment market estimates by application, 2020 - 2026 (USD Billion)

Segment	2020	2021	2022	2023	2024	2025	2026	CAGR (2020- 26)
Personal	xx	xx%						
Professional	xx	xx%						
Total	xx	xx	xx	xx	xx	хх	хх	xx%

TABLE 34. North America audio & video equipment market estimates by application, 2016 - 2019 (Million Units)

Segment	2016	2017	2018	2019
Personal	xx	xx	xx	xx
Professional	xx	xx	xx	xx
Total	хх	хх	хх	хх

TABLE 35. North America audio & video equipment market estimates by application, 2020 - 2026 (Million Units)

Segment	2020	2021	2022	2023	2024	2025	2026	CAGR (2020- 26)
Personal	xx	xx%						
Professional	xx	xx%						
Total	хх	хх	хх	хх	xx	хх	xx	xx%

# **Chapter 7 Company Profiles**

## 7.1 AB Electrolux

## 7.1.1 Business Overview

Snapshot				
Headquarters	Sweden			
Year of establishment	1919			
Employees	Over 55,000 (as of 2016)			
Regional presence	Global			
D-U-N-S Number	35-394-8151			
Traded	ELUX A (Stockholm Stock Exchange)			

AB Electrolux manufactures household appliances worldwide and operate through three main segments, major appliances, small appliances, and professional products. Major appliances include refrigerators, dryers, freezers, washing machines, dishwashers, room air conditioners, and microwave ovens. Small appliances consist of vacuum cleaners and other small appliances. Professional products have two operating segment food service equipment and laundry solutions. The company's brand portfolio includes Electrolux, Frigidaire, Tappan, Eureka, Kelvinator, White-Westinghouse, and Sanitaire. AB Electrolux is globally present in Europe, the Middle East, Africa, North America, and Latin America. In 2016, the company approximately had 55,400 employees. It has its presence in 150 countries.

As on 2011, AB Electrolux had production facilities in 19 countries and highly-productive modern plants have been built in recent years in Asia, Eastern Europe, and Latin America. The company is continuing to improve its operational excellence by improving its manufacturing capacity and reducing operational costs. In 2014, 70% of the household appliances were manufactured in low-cost areas. In 2014, the total capacity utilization exceeded by 60% and refrigerator production was concentrated in the Asia Pacific region. GT Nexus provides cloud technology platform and transportation capabilities to the company. The R&D cost amounted to 2.6% of the net sales in 2015.

Market Segment Appliances	North America	Latin America	Europe	Australia	
Ultra-Luxury	Electrolux Grand Cuisine				
Premium	Electrolux	Electrolux	Electrolux AEG	Electrolux	
Mass Market	<ul><li>Frigidaire</li><li>Eureka</li></ul>	<ul><li>Electrolux</li><li>Frigidaire</li></ul>	Zanussi Regional brands	Westinghouse Regional brands	

# 7.1.2 Financial Data

Years	2016	2017	2018
Net Sales	USD 14.15 Billion	USD 14.12 Billion	USD 14.28 Billion
Gross Profit	USD 2.95 Billion	USD 2.98 Billion	USD 2.67 Billion
Income Before Tax	USD 652.3 Million	USD 814.5 Million	USD 562.5 Billion

# 7.1.3 Product Landscape

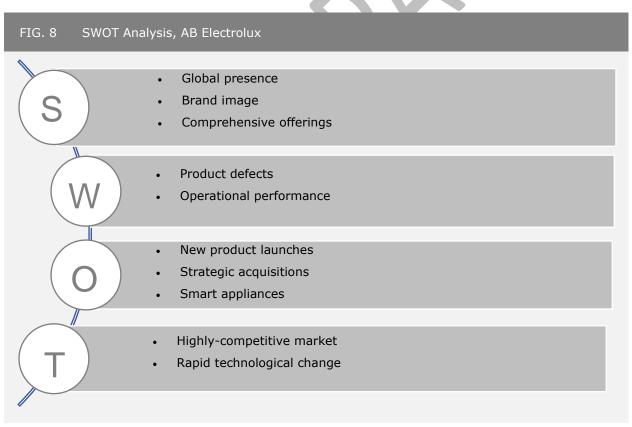
Products	Features
	Back to front forced air flow and removable air conveyors
	provide even temperature distribution and fast cooling in
Refrigerators and	any conditions
Freezers:	Internal structure with numerous charging positions
Ecostore Touch 670 -	available to host grids, ensuring higher net capacity and
1430 Liters	a greater storage space
	• Large storage area suitable to contain 2/1 GN grids or
	shelves on anti-tilt runners
4	Digital control panel allowing the easy and precise setting
	and control of the internal temperature
Digital Cabinets 400 Liters	Shelf runners are thermoformed and are incorporated in
	the internal structure to be easily cleanable
	Whole interior cell with rounded corners is white
	thermoformed polystyrene, which is impact-resistant
	Suitable for use in ambient temperatures of up to 43 °C
Digital Cabinots 160 Liters	Very quiet operation: noise level less than 45 dB (A)
Digital Cabinets 160 Liters	Shelf runners are thermoformed and are incorporated in
	the internal structure to be easily cleanable

	Offer unmatched capacity, increased energy efficiency,
	and silent operation
	55% less energy consumption, it guarantees lower
1077.20	running costs and respects the environment
	50% lower noise level designed for a kitchen yet perfect
	for a library, it guarantees a better working environment
Washers	Tor a library, it guarantees a better working crivironment
• EFLS617STT	
• EFLS617SIW	Fast Wash
• EFLS517STT	Removes tough stain
• EFLS517SIW	Energy star certified
• EIFLS20QSW	
Dryers	
EFMG617STT	Instant refresh cycles
• EFMG617SIW	Fast dry
• EFME617STT	Energy star certified
EFME617SIW	Energy star certified
Microwaves	
• EW30S060QS	Easy-to-clean interiors
• EI30BM60MS	Control lockout
• EI30SM35QS	Convection cooking
<ul> <li>EI24MO45IBEI30MO45TB</li> </ul>	Convection cooking
Dishwashers	
• EI24ID50QS	
• EI24CD35RS	Easy lift adjustable racks
• EW24ID80QS	Fast wash cycle
• EW24ID70QT	Luxury dry system
• EI24ID81SS	
Blenders	Intelligent pre-set programs
• ELJB74D9PS	Easy to wipe clean
• ELHB10B9PS	Lasy to wipe clean     LED display
Air conditioners	- LED display
S18L5R	Copper coils
• S10L5R • S12L5R	MPRI technology
• S12L5K • S12L5W	Speed settings
JIZLJVV	

## 7.1.4 Strategic Outlook

- In May 2017, AB Electrolux Home Products (EHP) announced the release of a range of major household appliance accessories in New Zealand and Australia designed to optimize consumer use
- In May 2017, AB Electrolux Professional announced the launch of professional cooking systems designed for the residential purposes in the U.S. The systems combine sleek design with modern technology that aids domestic chefs to achieve better results.
- In June 2016, AB Electrolux acquired a wine cabinet company, Vintec to capture the Asia Pacific growing market
- In April 2016, AB Electrolux introduced blast chillers for household and other innovations in tastes
- In March 2014, AB Electrolux opened a new R&D center in Charlotte, North Carolina

# 7.1.5 SWOT Analysis



**Note**: The final report will contain profiles of the following companies based on the abovementioned attributes (company overview, revenue, product and strategic developments):

- 7.2 Acer, Inc.
- 7.3 Apple Inc.
- 7.4 Best Buy Co., Inc.
- 7.5 Bose Corporation
- 7.6 Canon, Inc.
- 7.7 David Clark Inc.
- 7.8 Dell Inc.
- 7.9 Fujifilm Corporation
- 7.10 Fujitsu
- 7.11 General Electric
- 7.12 Gionee Communication Equipment Co., Ltd.
- 7.13 Google, Inc.
- 7.14 GoPro, Inc.
- 7.15 Haier Corporation
- 7.16 Hisense Kelon Electrical Holdings Co., Ltd.
- 7.17 Hitachi, Ltd.
- 7.18 Hewlett-Packard Company
- 7.19 Huawei Technologies Co., Ltd.
- 7.20 iON Worldwide LLC

- 7.21 JVCKenwood Corporation
- 7.22 Koninklijke Philips N.V. (E & H)
- 7.23 Lenovo Inc.
- 7.24 Logitech International S.A.
- 7.25 LG Corporation
- 7.26 Meizu Telecom Equipment Co., Ltd.
- 7.27 Microsoft Corporation
- 7.28 Micro-Star International Co., Ltd.(MSI)
- 7.29 Nikon Corporation
- 7.30 Olympus Corporation
- 7.31 Oneplus
- 7.32 OPPO
- 7.33 Panasonic Corporation
- 7.34 Robert Bosch GmbH
- 7.35 Samsung Electronics Co., Ltd.
- 7.36 Sharp Corporation
- 7.37 Sennheiser Electronic
- 7.38 Sonos, Inc.
- 7.39 Siemens AG
- 7.40 Skyworth Digital Holdings Ltd.
- 7.41 Sony Corporation
- 7.42 TCL Corporation
- 7.43 Toshiba Corporation
- 7.44 Vivo Communication Technology Co. Ltd.

- 7.45 Walton Group
- 7.46 Whirlpool Corporation
- 7.47 ZTE Corporation

