

2021 Smart Devices Research Review

<https://marketpublishers.com/r/257129216570EN.html>

Date: February 2022

Pages: 169

Price: US\$ 1,500.00 (Single User License)

ID: 257129216570EN

Abstracts

Report Highlights:

The global smart grid market should reach \$55.9 billion by 2026 from \$36.9 billion in 2021 at a compound annual growth rate (CAGR) of 8.7% for the forecast period of 2021 to 2026.

The global smart transducers market should reach \$551.8 million by 2026 from \$375.0 million in 2021 at a compound annual growth rate (CAGR) of 8.0% for the forecast period of 2021 to 2026.

The global smart displays market should reach \$205.4 billion by 2026 from \$98.9 billion in 2021 at a compound annual growth rate (CAGR) of 15.7% for the forecast period of 2021 to 2026.

“Smart devices” are electronic devices that can connect, interact, receive feedback and self-optimize their processes. These devices are designed to be efficient (energy/time) with significantly higher functionality.

While the epidemic has created several hurdles, ranging from supply chain delays to store closures and social distancing regulations to economic damage, businesses still have numerous prospects for growth. Manufacturers, integrators, merchants and others can benefit from these opportunities by helping to provide a better smart experience for consumers and end users.

In 2021, BCC covered many topics on IoT-driven technologies and devices. In this review, we cover four of our most popular topics -

A Smart Grid is an advanced electricity transmission system that utilizes sensors to gather data about energy usage and the requirements of end users.

A smart transducer is a device that converts energy from one form to another, often a signal in one form of energy to a signal in another form of energy.

A smart speaker is a type of wireless electronic device with an integrated virtual assistant that offers interactive actions and hands-free activation.

A smart display is a monitor that can be connected wirelessly and requires little or no keyboard activity.

Research Reviews from BCC Research provide market professionals with concise market coverage within a specific research category. This 2021 Research Review of Smart Devices provides a sampling of the type of quantitative market information, analysis and guidance that has been aiding business decision-making since the inception of BCC Research in 1971. It includes the highlights of reports published in 2021 in the following markets -

ENG032A Smart Grid: Global Markets to 2026.

IAS179A Smart Transducers: Global Markets.

IAS170A Smart Speaker Market.

AVM210A Smart Displays: Global Markets.

We encourage you to obtain and benefit from the full market research reports that are excerpted in this Research Review. BCC Research looks forward to serving your market intelligence needs in the future.

Contents

CHAPTER 1 FOREWORD

CHAPTER 2 SMART GRID: GLOBAL MARKETS TO 2026 (ENG032A)

Introduction
Study Goals and Objectives
Scope of Report
Reasons for Doing This Study
Intended Audiences
Information Sources
Methodology
Geographic Breakdown
Related BCC Research Reports
Summary and Highlights
Market Overview
Smart Grid, by Type
Market Drivers
Market Challenges
Market Opportunities
Market Breakdown, by Component
Introduction
Hardware
Software
Services
Market Breakdown, by End User
Residential
Commercial
Industrial

CHAPTER 3 SMART TRANSDUCERS: GLOBAL MARKETS (IAS179A)

Introduction
Study Goals and Objectives
Reasons for Doing the Study
Scope of Report
Intended Audiences
Information Sources

Methodology
Geographic Breakdown
Related BCC Research Reports
Summary and Highlights
Market Overview
Value Chain Analysis
Industry Overview
Future of Smart Transducers
Market Drivers
Market Restraints and Challenges
Market Opportunities
Impact of COVID-19
Porter's Five Forces Analysis
Patent Analysis
Market Breakdown, by Type
Introduction
Active Transducers
Passive Transducers
Market Breakdown, by Format
Introduction
Analog Smart Transducers
Digital Smart Transducers
Market Breakdown, by Operation
Introduction
Mechanical Transducers
Electrical Transducers
Market Breakdown, by Application
Introduction
Electromagnetic
Electromechanical
Electrochemical
Electroacoustic
Photoelectric
Thermoelectric
Radio Acoustic

CHAPTER 4 SMART SPEAKER MARKET (IAS170A)

Introduction

Study Goals and Objectives
Reasons for Doing This Study
Scope of Report
Information Sources
Methodology
Geographic Breakdown
Related BCC Research Reports
Summary and Highlights
Overview
Market and Technology Background
Introduction
Impact of COVID-19 on the Smart Speaker Market
Market Dynamics
Market Breakdown, by IVA Brand
Overview
Market Breakdown, by Application Sector
Introduction
Residential Applications
Commercial Applications

CHAPTER 5 SMART DISPLAYS: GLOBAL MARKETS (AVM210A)

Introduction
Study Goals and Objectives
Reasons for Doing This Study
Scope of Report
Methodology
Geographic Breakdown
Related BCC Research Reports
Summary and Highlights
Market Overview
Market and Technology Background
Background of Displays
Market Dynamics
Market Breakdown, by Device Category
Introduction
Consumer Segment
Commercial/Nonconsumer Segment
Market Breakdown, by Application

Market Highlights
Electronics and Optoelectronics
Transportation
Hospitality
Industrial
Healthcare
Other Applications

List Of Tables

LIST OF TABLES

- Table 1: Global Smart Grid Market, by Region, Through 2026
- Table 2: Three Major Systems within the Smart Grid
- Table 3: Smart Grid Use Cases
- Table 4: Impact of Income on the Interest in Buying Home Automation Solutions
- Table 5: Comparing the Traditional Grid and the Smart Grid
- Table 6: Global Smart Grid Market, by Component, Through 2026
- Table 7: Global Smart Grid Hardware Market, by Region, Through 2026
- Table 8: Global Smart Grid Hardware Market, by End User, Through 2026
- Table 9: Global Smart Grid Software Market, by Region, Through 2026
- Table 10: Global Smart Grid Software Market, by End User, Through 2026
- Table 11: Global Smart Grid Services Market, by Region, Through 2026
- Table 12: Global Smart Grid Services Market, by End User, Through 2026
- Table 13: Global Smart Grid Market, by End User, Through 2026
- Table 14: Global Smart Grid Residential Market, by Region, Through 2026
- Table 15: Global Smart Grid Residential Market, by Component, Through 2026
- Table 16: Global Smart Grid Commercial Market, by Region, Through 2026
- Table 17: Global Smart Grid Commercial Market, by Component, Through 2026
- Table 18: Global Smart Grid Industrial Market, by Region, Through 2026
- Table 19: Global Smart Grid Industrial Market, by Component, Through 2026
- Table 20: Dynamics of Smart Transducers Market
- Table 21: Global Market for Smart Transducers, by Region, Through 2026
- Table 22: Impact of Market Drivers
- Table 23: Impact of Market Restraints and Challenges
- Table 24: Impact of Market Opportunities
- Table 25: Porter's Five Forces Analysis
- Table 26: Comparison of Active and Passive Transducers
- Table 27: Global Market for Smart Transducers, by Type, Through 2026
- Table 28: Global Market for Active Transducers, by Region, Through 2026
- Table 29: Global Market for Passive Transducers, by Region, Through 2026
- Table 30: Comparison of Analog and Digital Transducers
- Table 31: Global Market for Smart Transducers, by Format, Through 2026
- Table 32: Global Market for Analog Transducers, by Region, Through 2026
- Table 33: Global Market for Digital Transducers, by Region, Through 2026
- Table 34: Global Market for Smart Transducers, by Operation, Through 2026
- Table 35: Mechanical Transducers: Overview

Table 36: Global Market for Mechanical Transducers, by Region, Through 2026

Table 37: Electrical Transducers: Overview

Table 38: Global Market for Electrical Transducers, by Region, Through 2026

Table 39: Global Market for Smart Transducers, by Application, Through 2026

Table 40: Global Market for Smart Transducers in Electromagnetic Applications, by Region, Through 2026

Table 41: Global Market for Smart Transducers in Electromechanical Applications, by Region, Through 2026

Table 42: Global Market for Smart Transducers in Electrochemical Applications, by Region, Through 2026

Table 43: Global Market for Smart Transducers in Electroacoustic Applications, by Region, Through 2026

Table 44: Global Market for Smart Transducers in Photoelectric Applications, by Region, Through 2026

Table 45: Global Market for Smart Transducers in Thermoelectric Applications, by Region, Through 2026

Table 46: Global Market for Smart Transducers in Radio Acoustic Applications, by Region, Through 2026

Table 47: Global Market for Smart Speaker, by Region, Through 2025

Table 48: Global Market for Smart Speaker, by Intelligent Virtual Assistant Brand, Through 2025

Table 49: Global Market for Smart Speaker, by Application Sector, Through 2025

Table 50: Global Market for Smart Displays, by Device Category, Through 2026

Table 51: Global Market for Smart Displays, by Device Category, Through 2026

Table 52: Global Market for Smart Displays in the Consumer Segment, by Product Type, Through 2026

Table 53: Global Market for Smart Displays in the Consumer Segment, by Application, Through 2026

Table 54: Global Market for Smartwatch Displays in the Consumer Segment, by Region, Through 2026

Table 55: Global Market for Smart Home Displays in the Consumer Segment, by Region, Through 2026

Table 56: Global Market for Smartphone Displays in the Consumer Segment, by Region, Through 2026

Table 57: Global Market for Smart Displays in the Commercial/Nonconsumer Segment, by Product Type, Through 2026

Table 58: Global Market for Smart Displays in the Commercial/Nonconsumer Segment, by Application, Through 2026

Table 59: Global Market for Automotive Smart Displays in the

Commercial/Nonconsumer Segment, by Region, Through 2026

Table 60: Global Digital/Smart Signage Display Market in the Commercial/Nonconsumer Segment, by Region, Through 2026

Table 61: Global Market for Smart Displays, by Application, Through 2026

Table 62: Global Market for Smart Displays in Electronics and Optoelectronics Applications, by Region, Through 2026

Table 63: Global Market for Smart Displays in Electronics and Optoelectronics Applications, by Device Category, Through 2026

Table 64: Global Market for Smart Displays in Transportation Applications, by Region, Through 2026

Table 65: Global Market for Smart Displays in Transportation Applications, by Device Category, Through 2026

Table 66: Global Market for Smart Displays in Hospitality Applications, by Region, Through 2026

Table 67: Global Market for Smart Displays in Hospitality Applications, by Device Category, Through 2026

Table 68: Global Market for Smart Displays in Industrial Applications, by Region, Through 2026

Table 69: Global Market for Smart Displays in Industrial Applications, by Device Category, Through 2026

Table 70: Global Market for Smart Displays in Healthcare Applications, by Region, Through 2026

Table 71: Global Market for Smart Displays in Healthcare Applications, by Device Category, Through 2026

Table 72: Global Market for Smart Displays in Other Applications, by Region, Through 2026

Table 73: Global Market for Smart Displays in Other Applications, by Device Category, Through 2026

List Of Figures

LIST OF FIGURES

- Figure 1: Global Smart Grid Market Share, by Region, 2020
- Figure 2: Smart Grid Benefits
- Figure 3: Smart Grid Value Chain
- Figure 4: Smart Grid Use Cases
- Figure 5: Annual Smart Grid Investment (of Total Grid Information and Control Technology Investment)
- Figure 6: U.S. Smart Meter Installations, Jan. 2015–Dec. 2020
- Figure 7: U.S. Resident Population, by Generation, 2019
- Figure 8: Global Smart Grid Market Share, by Component, 2020
- Figure 9: Global Smart Grid Market Share, by Component, 2026
- Figure 10: Global Smart Grid Hardware Market Share, by Region, 2020
- Figure 11: Global Smart Grid Hardware Market Share, by Region, 2026
- Figure 12: Global Smart Grid Hardware Market Share, by End User, 2020
- Figure 13: Global Smart Grid Hardware Market Share, by End User, 2026
- Figure 14: Global Smart Grid Software Market Share, by Region, 2020
- Figure 15: Global Smart Grid Software Market Share, by Region, 2026
- Figure 16: Global Smart Grid Software Market Share, by End User, 2020
- Figure 17: Global Smart Grid Software Market Share, by End User, 2026
- Figure 18: Global Smart Grid Services Market Share, by Region, 2020
- Figure 19: Global Smart Grid Services Market Share, by Region, 2026
- Figure 20: Global Smart Grid Services Market Share, by End User, 2020
- Figure 21: Global Smart Grid Services Market Share, by End User, 2026
- Figure 22: Global Smart Grid Market Share, by End User, 2020
- Figure 23: Global Smart Grid Market Share, by End User, 2026
- Figure 24: Global Smart Grid Residential Market Share, by Region, 2020
- Figure 25: Global Smart Grid Residential Market Share, by Region, 2026
- Figure 26: Global Smart Grid Residential Market Share, by Component, 2020
- Figure 27: Global Smart Grid Residential Market Share, by Component, 2026
- Figure 28: Global Smart Grid Commercial Market Share, by Region, 2020
- Figure 29: Global Smart Grid Commercial Market Share, by Region, 2026
- Figure 30: Global Smart Grid Commercial Market Share, by Component, 2020
- Figure 31: Global Smart Grid Commercial Market Share, by Component, 2026
- Figure 32: Global Smart Grid Industrial Market Share, by Region, 2020
- Figure 33: Global Smart Grid Industrial Market Share, by Region, 2026
- Figure 34: Global Smart Grid Industrial Market Share, by Component, 2020

- Figure 35: Global Smart Grid Industrial Market Share, by Component, 2026
- Figure 36: Global Market for Smart Transducers, 2020-2026
- Figure 37: Global Market for Smart Transducers, 2020-2026
- Figure 38: Classification of Transducers
- Figure 39: Porter's Five Forces Analysis of the Smart Transducers Market
- Figure 40: Analysis of Power of Suppliers
- Figure 41: Analysis of Power of Buyers
- Figure 42: Analysis of Threat of New Entrants
- Figure 43: Analysis of Threat of Substitutes
- Figure 44: Degree of Competition Analysis
- Figure 45: Patents for Smart Transducers, by Year, 2017-2020
- Figure 46: Share of Patents for Smart Transducers, by Applicant Country, 2017-2020
- Figure 47: Types of Active Transducers
- Figure 48: Types of Passive Transducers
- Figure 49: Global Market for Smart Speaker, by Region, 2019-2025
- Figure 50: Global Market for Smart Speaker, by Intelligent Virtual Assistant Brand, 2019-2025
- Figure 51: Smart Speaker Market, by Application Sector
- Figure 52: Global Market for Smart Speaker, by Application Sector, 2019-2025
- Figure 53: Global Market for Smart Displays, by Device Category, 2020-2026
- Figure 54: Smartphone Ownership in Emerging Countries, 2017 and 2018
- Figure 55: Wireless Data Traffic in the U.S., 2010–2018
- Figure 56: Global Market Share of Smart Displays, by Device Category, 2020
- Figure 57: Global Market Share of Smart Displays in the Consumer Segment, by Product Type, 2020
- Figure 58: Global Market for Smart Displays in the Consumer Segment, by Application, 2020-2026
- Figure 59: Global Market for Smartwatch Displays in the Consumer Segment, by Region, 2020-2026
- Figure 60: Global Market for Smart Home Displays in the Consumer Segment, by Region, 2020-2026
- Figure 61: Global Market for Smartphone Displays in the Consumer Segment, by Region, 2020-2026
- Figure 62: Global Market Share of Smart Displays in the Commercial/Nonconsumer Segment, by Product Type, 2020
- Figure 63: Global Market for Smart Displays in the Commercial/Nonconsumer Segment, by Application, 2020-2026
- Figure 64: Global Market for Automotive Smart Displays in the Commercial/Nonconsumer Segment, 2020-2026

Figure 65: Global Digital/Smart Signage Display Market in the Commercial/Nonconsumer Segment, by Region, 2020-2026

Figure 66: Global Market for Smart Displays, by Application, 2020-2026

Figure 67: Global Market for Smart Displays in Electronics and Optoelectronics Applications, by Region, 2020-2026

Figure 68: Global Market for Smart Displays in Electronics and Optoelectronics Applications, by Device Category, 2020-2026

Figure 69: Global Market for Smart Displays in Transportation Applications, by Region, 2020-2026

Figure 70: Global Market for Smart Displays in Transportation Applications, by Device Category, 2020-2026

Figure 71: Global Market for Smart Displays in Hospitality Applications, by Region, 2020-2026

Figure 72: Global Market for Smart Displays in Hospitality Applications, by Device Category, 2020-2026

Figure 73: Global Market for Smart Displays in Industrial Applications, by Region, 2020-2026

Figure 74: Global Market for Smart Displays in Industrial Application, by Device Category Type, 2020-2026

Figure 75: Global Market for Smart Displays in Healthcare Applications, by Region, 2020-2026

Figure 76: Global Market for Smart Displays in Healthcare Applications, by Device Category, 2020-2026

Figure 77: Global Market for Smart Displays in Other Applications, by Region, 2020-2026

Figure 78: Global Market for Smart Displays in Other Applications, by Device Category, 2020-2026

I would like to order

Product name: 2021 Smart Devices Research Review

Product link: <https://marketpublishers.com/r/257129216570EN.html>

Price: US\$ 1,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/257129216570EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970