

Man-Portable Communication System Market Report by Platform (Land, Airborne, Naval), Product Type (Communication, ISTAR, Command and Control, and Others), Device Type (Hand-Held Communication Device, Portable Communication Device), Application (Software Defined Radios, SATCOM, Encryption, Smartphones, Homeland Security, Commercial, and Others), and Region 2024-2032

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Abstracts

The global man-portable communication system market size reached US\$ 3.8 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 5.6 Billion by 2032, exhibiting a growth rate (CAGR) of 4.4% during 2024-2032.

A man-portable communication system (MPCS) refers to a collection of compact, handheld and wearable devices used for tactical and on-site defense communications. It includes software-based radios, satellite communication devices, portable intercoms, military walkie-talkies, transceiver smartphones, two-way radios and personal digital assistants (PDAs). The system is deployed on land, military aircraft and ships to secure data and voice transmissions with anti-jamming features while minimizing the noises generated by military equipment and sirens. MPCS enhances the transmission range, flexibility and mobility, thus increasing the overall efficiency and success rate of military operations.

The rising number of criminal and terrorist activities across the globe is one of the key factors driving the growth of the market. The implementation of defense modernization programs has enhanced the adoption of self-contained GPS systems, smartphones,

radios and tactical communication devices, which is, in turn, creating a positive outlook for the market. Furthermore, the rapidly increasing demand for advanced and light-weight electronic communication devices is also favoring the market growth. Additionally, MPCS is currently being integrated with Command and Control (C2) military defense systems across both the developed and emerging nations. The C2 systems use MPCS devices for a two-way flow of encrypted information between the military control centers and soldiers to ensure privacy and efficiency while handling sensitive information. Moreover, various technological advancements, including the integration of 4G and 5G networks into defense infrastructure for higher bandwidth and frequency, along with the utilization of various internet-based networks for enabling users to access real-time data, is projected to drive the market in the upcoming years.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global man-portable communication system market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on platform, product type, device type and application.

Breakup by Platform:

- Land
- Airborne
- Naval

Breakup by Product Type:

- Communication
- ISTAR
- Command and Control
- Others

Breakup by Device Type:

- Hand-Held Communication Device
- Portable Communication Device

Breakup by Application:

- Software Defined Radios

SATCOM
Encryption
Smartphones
Homeland Security
Commercial
Others

Breakup by Region:

North America
United States
Canada
Asia Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined with some of the key players being Aselsan Corporation, BAE Systems, Codan, Elbit Systems, General Dynamics, Harris Corporation, ITT Inc., L3 Technologies, Leonardo SpA, Northrop Grumman, Rockwell Collins, Saab AB, Thales Group, Ultra Electronics, Viasat Inc., etc.

Key Questions Answered in This Report:

How has the global man-portable communication system market performed so far and how will it perform in the coming years?

What are the key regional markets?

What has been the impact of COVID-19 on the global man-portable communication system market?

What is the breakup of the market based on the platform?

What is the breakup of the market based on the product type?

What is the breakup of the market based on the device type?

What is the breakup of the market based on the application?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global man-portable communication system market and who are the key players?

What is the degree of competition in the industry?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL MAN-PORTABLE COMMUNICATION SYSTEM MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY PLATFORM

- 6.1 Land
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Airborne
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 6.3 Naval

- 6.3.1 Market Trends
- 6.3.2 Market Forecast

7 MARKET BREAKUP BY PRODUCT TYPE

- 7.1 Communication
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 ISTAR
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 7.3 Command and Control
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
- 7.4 Others
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast

8 MARKET BREAKUP BY DEVICE TYPE

- 8.1 Hand-Held Communication Device
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
- 8.2 Portable Communication Device
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast

9 MARKET BREAKUP BY APPLICATION

- 9.1 Software Defined Radios
 - 9.1.1 Market Trends
 - 9.1.2 Market Forecast
- 9.2 SATCOM
 - 9.2.1 Market Trends
 - 9.2.2 Market Forecast
- 9.3 Encryption
 - 9.3.1 Market Trends
 - 9.3.2 Market Forecast
- 9.4 Smartphones

- 9.4.1 Market Trends
- 9.4.2 Market Forecast
- 9.5 Homeland Security
 - 9.5.1 Market Trends
 - 9.5.2 Market Forecast
- 9.6 Commercial
 - 9.6.1 Market Trends
 - 9.6.2 Market Forecast
- 9.7 Others
 - 9.7.1 Market Trends
 - 9.7.2 Market Forecast

10 MARKET BREAKUP BY REGION

- 10.1 North America
 - 10.1.1 United States
 - 10.1.1.1 Market Trends
 - 10.1.1.2 Market Forecast
 - 10.1.2 Canada
 - 10.1.2.1 Market Trends
 - 10.1.2.2 Market Forecast
- 10.2 Asia Pacific
 - 10.2.1 China
 - 10.2.1.1 Market Trends
 - 10.2.1.2 Market Forecast
 - 10.2.2 Japan
 - 10.2.2.1 Market Trends
 - 10.2.2.2 Market Forecast
 - 10.2.3 India
 - 10.2.3.1 Market Trends
 - 10.2.3.2 Market Forecast
 - 10.2.4 South Korea
 - 10.2.4.1 Market Trends
 - 10.2.4.2 Market Forecast
 - 10.2.5 Australia
 - 10.2.5.1 Market Trends
 - 10.2.5.2 Market Forecast
 - 10.2.6 Indonesia
 - 10.2.6.1 Market Trends

- 10.2.6.2 Market Forecast
- 10.2.7 Others
 - 10.2.7.1 Market Trends
 - 10.2.7.2 Market Forecast
- 10.3 Europe
 - 10.3.1 Germany
 - 10.3.1.1 Market Trends
 - 10.3.1.2 Market Forecast
 - 10.3.2 France
 - 10.3.2.1 Market Trends
 - 10.3.2.2 Market Forecast
 - 10.3.3 United Kingdom
 - 10.3.3.1 Market Trends
 - 10.3.3.2 Market Forecast
 - 10.3.4 Italy
 - 10.3.4.1 Market Trends
 - 10.3.4.2 Market Forecast
 - 10.3.5 Spain
 - 10.3.5.1 Market Trends
 - 10.3.5.2 Market Forecast
 - 10.3.6 Russia
 - 10.3.6.1 Market Trends
 - 10.3.6.2 Market Forecast
 - 10.3.7 Others
 - 10.3.7.1 Market Trends
 - 10.3.7.2 Market Forecast
- 10.4 Latin America
 - 10.4.1 Brazil
 - 10.4.1.1 Market Trends
 - 10.4.1.2 Market Forecast
 - 10.4.2 Mexico
 - 10.4.2.1 Market Trends
 - 10.4.2.2 Market Forecast
 - 10.4.3 Others
 - 10.4.3.1 Market Trends
 - 10.4.3.2 Market Forecast
- 10.5 Middle East and Africa
 - 10.5.1 Market Trends
 - 10.5.2 Market Breakup by Country

10.5.3 Market Forecast

11 SWOT ANALYSIS

- 11.1 Overview
- 11.2 Strengths
- 11.3 Weaknesses
- 11.4 Opportunities
- 11.5 Threats

12 VALUE CHAIN ANALYSIS

13 PORTERS FIVE FORCES ANALYSIS

- 13.1 Overview
- 13.2 Bargaining Power of Buyers
- 13.3 Bargaining Power of Suppliers
- 13.4 Degree of Competition
- 13.5 Threat of New Entrants
- 13.6 Threat of Substitutes

14 COMPETITIVE LANDSCAPE

- 14.1 Market Structure
- 14.2 Key Players
- 14.3 Profiles of Key Players
 - 14.3.1 Aselsan Corporation
 - 14.3.1.1 Company Overview
 - 14.3.1.2 Product Portfolio
 - 14.3.1.3 Financials
 - 14.3.2 BAE Systems
 - 14.3.2.1 Company Overview
 - 14.3.2.2 Product Portfolio
 - 14.3.2.3 Financials
 - 14.3.2.4 SWOT Analysis
 - 14.3.3 Codan
 - 14.3.3.1 Company Overview
 - 14.3.3.2 Product Portfolio
 - 14.3.3.3 Financials

- 14.3.4 Elbit Systems
 - 14.3.4.1 Company Overview
 - 14.3.4.2 Product Portfolio
 - 14.3.4.3 Financials
- 14.3.5 General Dynamics
 - 14.3.5.1 Company Overview
 - 14.3.5.2 Product Portfolio
 - 14.3.5.3 Financials
 - 14.3.5.4 SWOT Analysis
- 14.3.6 Harris Corporation
 - 14.3.6.1 Company Overview
 - 14.3.6.2 Product Portfolio
- 14.3.7 ITT Inc.
 - 14.3.7.1 Company Overview
 - 14.3.7.2 Product Portfolio
 - 14.3.7.3 Financials
 - 14.3.7.4 SWOT Analysis
- 14.3.8 L3 Technologies
 - 14.3.8.1 Company Overview
 - 14.3.8.2 Product Portfolio
 - 14.3.8.3 SWOT Analysis
- 14.3.9 Leonardo SpA
 - 14.3.9.1 Company Overview
 - 14.3.9.2 Product Portfolio
 - 14.3.9.3 Financials
 - 14.3.9.4 SWOT Analysis
- 14.3.10 Northrop Grumman
 - 14.3.10.1 Company Overview
 - 14.3.10.2 Product Portfolio
 - 14.3.10.3 Financials
 - 14.3.10.4 SWOT Analysis
- 14.3.11 Rockwell Collins
 - 14.3.11.1 Company Overview
 - 14.3.11.2 Product Portfolio
- 14.3.12 Saab AB
 - 14.3.12.1 Company Overview
 - 14.3.12.2 Product Portfolio
 - 14.3.12.3 Financials
 - 14.3.12.4 SWOT Analysis

14.3.13 Thales Group

14.3.13.1 Company Overview

14.3.13.2 Product Portfolio

14.3.13.3 Financials

14.3.14 Ultra Electronics

14.3.14.1 Company Overview

14.3.14.2 Product Portfolio

14.3.14.3 Financials

14.3.15 Viasat Inc.

14.3.15.1 Company Overview

14.3.15.2 Product Portfolio

14.3.15.3 Financials

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