

Rugged Display - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

Market Report | 2025-04-28 | 120 pages | Mordor Intelligence

AVAILABLE LICENSES:

- Single User License \$4750.00
- Team License (1-7 Users) \$5250.00
- Site License \$6500.00
- Corporate License \$8750.00

Report description:

The Rugged Display Market size is estimated at USD 10.85 billion in 2025, and is expected to reach USD 13.48 billion by 2030, at a CAGR of 4.43% during the forecast period (2025-2030).

The market is anticipated to witness a stimulating growth during the forecast period, owing to an increasing demand from various end-user industries.

Key Highlights

- For instance, oil and gas companies need to monitor and maintain assets that cover vast tracts of land both onshore and offshore. These companies need to guarantee asset integrity and proactively spot and manage potential issues in a fast and effective manner. This is required to minimize downtime and maximize productivity, ensuring continuous operation, thus, needs rugged display devices.
- Rugged display devices come with various advance features, such as improved impact resistance, durability, dust and moisture resistance, readability, wide temperature range, improved contrast ratio, higher display brightness, and low-power consumption, which may positively impact the global market.
- The key drivers that have driven the market growth are cut in the total cost of ownership (TCO) offered by ruggedized products, when compared to consumer-grade devices in rough environments and rapid growth in the demand for HMI and IoT in different industrial sectors.
- However, COVID-19 has impacted businesses of several industries, hampering automation and industrial process control. This has impacted the use of HMI, SCADA, and distributed control systems. The impact of COVID-19 on this ecosystem of industrial control systems has challenged the rugged industrial displays market.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scott-international.com

www.scott-international.com

Rugged Display Market Trends

Rugged Tablets are Expected to Hold Major Share

- Rugged tablets are specially designed computers that can sustain harsh environments and can be easily operated in rough conditions, such as extreme temperatures, strong vibrations, dry or wet conditions. True rugged tablets are built sturdy inside out, therefore, have the ability to withstand sand, dust, dirt, ice, water, and other extremities.
- Owing to many advantages, such as readability in direct sun, fully sealed keyboards to restrict intrusion of dust or any liquids, strength, durability, along with easy installations in various automotive and defense machinery, there is a substantial increase in the purchase for rugged tablets in sectors, such as defense, healthcare, transportation, retail, agriculture.
- Fully rugged tablets are the highest selling rugged tablets among the three types. However, high costs and increasing cut-throat competition are a few of the obstacles, which are restricting the growth of rugged tablets.
- America is the dominating player in the global market for rugged tablets. Zebra and Panasonic are the two popular and highest manufacturing brands in the United States. In July 2019, Zebra Technologies Corporation introduced its new high-performance L10 Android ultra-rugged tablet as a part of Zebra's extensive portfolio of government and enterprise tablets as well as purpose-built mobile computers for the rigors of challenging warehouse, manufacturing, construction, and field operations environments.

Asia Pacific is Expected to be The Highest Growing Market

- The modernization and development of infrastructure, such as smart cities, across the region and the untapped rugged display device applications in government, defense, transportation, and oil and gas industries are driving the growth of rugged displays in this region. In addition, the significant growth of the automotive, transportation, and manufacturing sectors in recent years is also driving the growth of the market.
- The increasing defense budgets in countries, such as China and India, further drive the growth of the market for the aerospace and defense industry in Asia-Pacific. For instance, the Indian Air Force is making huge investments in the procurement of new aircraft, which may positively impact the growth of the market.
- Moreover, Japan has the majority of automotive manufacturers and suppliers who are increasingly adopting rugged devices to overcome the challenges regarding inventory management, process monitoring, and control, etc.

Rugged Display Industry Overview

The rugged display market is highly competitive and consists of several major players. In terms of market share, several of these players majorly control the market. The market has become highly competitive in the past few years, owing to the rapid pace of development of display technologies and the presence of several companies that are focused on R&D efforts aimed at the development of innovative solutions in the rugged display market.

- In April 2019, DT Research launched two new rugged tablets named DT380CR and DT380Q, specially designed for military applications and weigh less than two pounds with large screens and high brightness.
- In February 2019, Trimble Inc. announced the launch of a new rugged tablet named Trimble T17, specifically designed to work in harsh conditions. The tablet offers various benefits, such as readability in sun, easy to zoom, 64-bit quad-core processor, and a lithium-ion battery.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

Table of Contents:

1 INTRODUCTION

- 1.1 Key Study Deliverables and Market Definition
- 1.2 Scope of the Study

2 RESEARCH METHODOLOGY

3 EXECUTIVE SUMMARY

4 MARKET DYNAMICS

- 4.1 Market Overview
- 4.2 Industry Attractiveness - Porter's Five Forces Analysis
 - 4.2.1 Bargaining Power of Suppliers
 - 4.2.2 Bargaining Power of Consumers
 - 4.2.3 Threat of New Entrants
 - 4.2.4 Threat of Substitutes
 - 4.2.5 Intensity of Competitive Rivalry
- 4.3 Industry Value Chain Analysis
- 4.4 Market Drivers
 - 4.4.1 Reduced Total Cost of Ownership (TCO)
 - 4.4.2 Rising Demand for HMI and IoT in Various Industries
- 4.5 Market Restraints
 - 4.5.1 Adoption of Consumer-grade Devices for Industrial Applications
- 4.6 Assessment of Impact of COVID-19 on the Industry

5 MARKET SEGMENTATION

- 5.1 Product Type
 - 5.1.1 Smartphone and Handheld Computer
 - 5.1.2 Tablet PC
 - 5.1.3 Laptop and Notebook
 - 5.1.4 Avionics Display
 - 5.1.5 Vehicle-mounted Computer
 - 5.1.6 Panel PC and Mission-critical Display
- 5.2 Level of Ruggedness
 - 5.2.1 Semi-rugged
 - 5.2.2 Fully-rugged
 - 5.2.3 Ultra-rugged
- 5.3 Operating System
 - 5.3.1 Android
 - 5.3.2 Windows

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

5.3.3 Other Operating Systems

5.4 End User

5.4.1 Oil and Gas

5.4.2 Government, Defense, and Aerospace

5.4.3 Industrial

5.4.4 Automotive and Transportation

5.4.5 Healthcare

5.4.6 Other End Users

5.5 Geography

5.5.1 North America

5.5.2 Europe

5.5.3 Asia-Pacific

5.5.4 Latin America

5.5.5 Middle-East and Africa

6 COMPETITIVE LANDSCAPE

6.1 Company Profiles

6.1.1 Curtiss-Wright Corp.

6.1.2 General Dynamics Corp.

6.1.3 L3 Technologies Inc.

6.1.4 Esterline Technologies Corp.

6.1.5 Xplore Technologies Corp.

6.1.6 Beijer Electronics AB

6.1.7 Kyocera Corp.

6.1.8 Sparton Corp.

6.1.9 Panasonic Corporation

6.1.10 Zebra Technologies Corp.

6.1.11 Getac Technology Corp.

6.1.12 Dell Inc.

7 INVESTMENT ANALYSIS

8 MARKET TRENDS AND FUTURE OPPORTUNITIES

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Rugged Display - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

Market Report | 2025-04-28 | 120 pages | Mordor Intelligence

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User License	\$4750.00
	Team License (1-7 Users)	\$5250.00
	Site License	\$6500.00
	Corporate License	\$8750.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-02-27"/>
		Signature	

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

