

Middle East & Africa GNSS Chip Market Forecast to 2030 - Regional Analysis - by Device (Smartphones, Tablets, Personal Navigation Devices, In-Vehicle Systems, and Others), Application (Navigation and Location-Based Services, Mapping and Surveying, Telematics, Timing and Synchronization, and Others), and Vertical (Consumer Electronics, Automotive & Transportation, Military & Defense, Marine, and Others)

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Abstracts

The Middle East & Africa GNSS chip market was valued at US\$ 282.00 million in 2022 and is expected to reach US\$ 439.49 million by 2030; it is estimated to register at a CAGR of 5.7% from 2022 to 2030.

Growing Use of GNSS Chip in Consumer Electronic Devices Bolsters Middle East & Africa GNSS Chip Market

Smartphones, smart wearables, digital cameras, tablets, and other consumer electronic devices use GNSS technology for mapping, geo-marketing, and navigation applications. GNSS chips are majorly being integrated into these devices to offer precise locations to users while running, walking, or driving. This feature has led to increasing adoption of various location-based services (LBS) and applications depending on the 4G network solution.

Market players develop GNSS-based wearable devices. In June 2022, Quectel Wireless Solutions, a global IoT solutions provider, announced the release of its LC76G module,

a compact single-band ultra-low power GNSS module featuring fast and accurate location performance. In addition, in July 2022, Qualcomm released two new system-on-chip (SoC) platforms—the Snapdragon W5+ and W5—for wearable devices such as smartwatches. It uses the GNSS for GPS connectivity. In August 2020, Sony Corporation announced the release of high-precision GNSS receiver LSIs for IoT and wearable devices. Moreover, a rise in the use of location-based services such as online food delivery, online cab services, and others propels the demand for GNSS. Furthermore, government support for the implementation of GNSS technology contributes to the Middle East & Africa GNSS chip market growth. With leading GNSS chipset providers developing Galileo-ready chipsets and global smartphone brands integrating these chipsets in their latest smartphone models, the Middle East & Africa GNSS chip market reports growth.

Middle East & Africa GNSS Chip Market Overview

The MEA consists of countries, including South Africa, the UAE, Saudi Arabia, and the Rest of MEA. In MEA, the use of smartphones is expected to dominate the consumer electronics sector due to the increasing young population. Smartphones are rising in demand across all countries in the MEA and are the main driver of growth for GNSS chips. For instance, according to Flurry, in March 2021, Turkey was the top country in terms of smartphone users in the Middle East. Turkey accounts for 28% of smartphone users, followed by Egypt (23% of smartphone users), Saudi Arabia (14% of smartphone users), and Iraq (12% of smartphone users).

According to the International Data Corporation (IDC), overall spending on information and communications technology (ICT) across the Middle East, Turkey, and Africa (META) will top US\$ 238 billion in 2024, an increase of 4.5% over 2023. Technological advancements in unmanned UAVs are expected to increase due to cloud computing takeoff, navigation, data capture, and data aerial vehicles (UAVs) are taking place at a high pace. Integration of AI in UAVs has enhanced their capabilities, such as transmission and data analysis, without human intervention. Implementing a GNSS chip can allow an unmanned vehicle to measure precise real-time positioning information. Therefore, the growth in the consumer electronics sector and UAV in the MEA is influencing the demand for the GNSS chip market.

The presence of several GNSS chip manufacturers, including Intel Corporation, MediaTek Inc., FURUNO ELECTRIC CO., Broadcom, STMicroelectronics, Septentrio N.V., and u-blox Holding AG in the region is expected to benefit the growth of the market.

Middle East & Africa GNSS Chip Market Revenue and Forecast to 2030 (US\$ Million)

Middle East & Africa GNSS Chip Market Segmentation

The Middle East & Africa GNSS chip market is segmented based on device, application, vertical, and country.

Based on device, the Middle East & Africa GNSS chip market is segmented into smartphones, tablets, personal navigation devices, in-vehicle systems, and others. The smartphones segment held the largest share in 2022.

In terms of application, the Middle East & Africa GNSS chip market is segmented into navigation and location-based services, mapping and surveying, telematics, timing and synchronization, and others. The navigation and location-based services segment held the largest share in 2022.

By vertical, the Middle East & Africa GNSS chip market is segmented into consumer electronics, automotive & transportation, military & defense, marine, and others. The consumer electronics segment held the largest share in 2022.

Based on country, the Middle East & Africa GNSS chip market is categorized into South Africa, Saudi Arabia, UAE, and the Rest of Middle East & Africa. Saudi Arabia dominated the Middle East & Africa GNSS chip market in 2022.

Qualcomm Inc, Broadcom Inc, Trimble Inc, Furuno Electric Co Ltd, MediaTek Inc, STMicroelectronics NV, and u-blox Holding AG are some of the leading companies operating in the Middle East & Africa GNSS chip market.

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