

Asia Pacific Rugged Tablet Market Forecast to 2030 - Regional Analysis - by Type (Fully Rugged Tablet, Semi Rugged Tablet, and Ultra Rugged Tablet), Operating System (Android, Windows, and iOS), and Application (Aerospace & Defense, Automotive, Construction, Energy & Utilities, Manufacturing, Oil & Gas, and Others)

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Abstracts

The Asia Pacific rugged tablet market was valued at US\$ 180.45 million in 2022 and is expected to reach US\$ 310.69 million by 2030; it is estimated to grow at a CAGR of 7.0% from 2022 to 2030.

Rise of New Technologies, such as AI and IoT Boost Asia Pacific Rugged Tablet Market

AI-enabled devices are all over the place. According to Simpli Learn, AI technology is used in some form or another in over 77% of today's electronics. Moreover, Rugged tablet computers can gather and send data from numerous sensors and devices in the field regarding IoT. These tablets may be fitted with specific data collection and analysis software, making it more straightforward to monitor and manage IoT devices remotely. For instance, a rugged tablet can be used to track the whereabouts of a fleet of cars, operate industrial machinery, and check the temperature and humidity levels in a warehouse.

Rugged tablets can also be integrated with AI devices for safety. Various authorities are using collaborated rugged tablets for school safety, government buildings, and other public spaces. For instance, in October 2023, KYOCERA collaborated with three technology developers on an innovative solution to improve safety in schools,

government buildings, and other public spaces. Kyocera's ultra-rugged mobile technology (Android smartphones and tablets); Omni-Response 360° sensory technology for optimal situational awareness with a comprehensive dashboard; ZeroEyes AI gun detection and intelligent situational awareness software; and Cradlepoint networks that connect sites, vehicles, IoT technology, and safety personnel comprise the school safety solution. Thus, the rise of new technologies, such as AI and IoT, is expected to offer lucrative opportunities for market growth.

Asia Pacific Rugged Tablet Market Overview

Several market players across India launch rugged tablets. In December 2021, Panasonic India launched the Toughbook S1 rugged tablet for the Indian market. The tablet Toughbook FZ-S1 runs Android Enterprise. It includes a 7-inch display that can be seen outside. It has the Android 10.0 operating system installed. The tablet can function in a wide temperature range of -20°C to 50°C and is drop-resistant. In February 2019, Samsung launched the Galaxy Tab Active 2 with a military-grade rugged design and durability for harsh work environments.

Surveyors in the Australian Outback rely on rugged mobile technology to navigate and map remote regions in paperless field surveys. Central Australia's Cooper Basin is a harsh, isolated desert region roughly the size of Greece. Bulldust from the desert winds blows across the arid plains and dunes, and summer temperatures there can exceed 50°C. Crews from Terrex Spatial explore, map, and survey remote regions across Australia for clients in the coal seam gas, shale gas, oil & gas, geothermal, coal, and minerals industries. Terrex Spatial relies on the Algiz 10X rugged tablet PC to guide its operations. Thus, all the factors mentioned above propel the rugged tablet growth in Asia Pacific.

Asia Pacific Rugged Tablet Market Revenue and Forecast to 2030 (US\$ Million)

Asia Pacific Rugged Tablet Market Segmentation

The Asia Pacific rugged tablet market is segmented based on type, operating system, application, and country. Based on type, the Asia Pacific rugged tablet market is segmented into fully rugged tablet, semi rugged tablet, and ultra rugged tablet. The fully rugged tablet segment held the largest market share in 2022.

In terms of operating system, the Asia Pacific rugged tablet market is segmented into android, windows, and iOS. The android segment held the largest market share in 2022.

By application, the Asia Pacific rugged tablet market is categorized into aerospace & defense, automotive, construction, energy & utilities, manufacturing, oil & gas, and others. The aerospace & defense segment held the largest market share in 2022.

Based on country, the Asia Pacific rugged tablet market is segmented into China, India, Japan, Australia, South Korea, Indonesia, Singapore, Malaysia, Thailand, Philippines, Vietnam, and the Rest of Asia Pacific. China dominated the Asia Pacific rugged tablet market share in 2022.

AAEON Technology Inc, Dell Technologies Inc, Panasonic Holdings Corp, Getac Holdings Corp, MilDef Group AB, DT Research Inc, NEXCOM International Co Ltd, Zebra Technologies Corp, and Kontron AG are some of the leading players operating in the Asia Pacific rugged tablet market.

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