

AUTOMOTIVE

The Royal Spanish Automobile Federation optimizes technical control with the Getac ZX80

AI-ready fully rugged Android tablets for real-time technical analysis in competition.

/ Challenge /

The RFEDA required a rugged tablet that could integrate with SICCOM while delivering strong processing performance, sufficient memory, and an integrated NFC reader. In addition, the device had to be able to withstand rain, dust and temperature changes, provide excellent sunlight readability and have enough battery life to last the whole day, without failures or shutdowns in the middle of a race.

/ Solution /

After evaluating several options, the RFEDA selected the Getac ZX80 fully rugged tablets and purchased them as the standard device for its officials. The ZX80 Android tablet offers an AI-ready processor, ample memory and storage, an 8" sunlight-readable display, integrated NFC reader and hot-swappable batteries, ensuring continuous use of SICCOM throughout the competition, even in demanding competition environments.

/ Benefits /

With the fully rugged Getac ZX80, designed for artificial intelligence that puts real-time analysis in the palm of your hand, with extreme tolerances and long battery life in a lightweight, stylish package, SICCOM now runs more smoothly, reliably, and efficiently, streamlining vehicle checks and reducing technical incidents. Officials work with greater comfort and confidence thanks to rugged, autonomous and reliable hardware that ensures technical control keeps pace with the demands of competition.

/ Royal Spanish Automobile Federation (RFEDA) /

"We needed to find a tablet device with powerful AI-ready processor, memory to be able to manage SICCOM well, and the ability to withstand adverse weather conditions. After testing the ZX80, we saw that it met all our needs. Since then, SICCOM has been running more smoothly, powerfully and stably, giving motor racing officials peace of mind, knowing that they have hardware that is up to the task."

Fernando Álvarez, Technical Director of the RFEDA



Getac ZX80
Fully Rugged Tablet

/ Challenge /

The Royal Spanish Automobile Federation wanted to modernise technical verification using SICCOM, its own solution that centralises technical passports, verifications and the traceability of key elements of competing vehicles. They required a comprehensive and up-to-date overview of everything related to the technical component in a test, reducing manual processes and improving the quality of the information available. To do this, they needed a tablet device that could meet the demands of the championships.

The challenge was twofold. On the one hand, they needed a processor with sufficient power and AI capabilities, along with ample memory and storage to avoid slowdowns when working with large volumes of data. On the other hand, the RFEDA required an integrated NFC tag reader to quickly and securely identify components and elements linked to each vehicle.

Added to this were the real conditions of the championships: rain, dust, cold, heat and full days of work outdoors. The solution had to offer all-day battery life, an outdoor-visible touchscreen and compatibility with a capacitive stylus, while maintaining SICCOM's stability and ease of use for officials at all times. All this without compromising the reliability of technical control in competition, where an incident can result in delays and bad experiences for those involved.

/ Solution /

To respond to this challenge, the RFEDA analysed various professional hardware alternatives until it identified the solution that best suited the project: Getac's fully rugged ZX80 Android tablet, a device designed for artificial intelligence that puts real-time analysis in the palm of your hand, with extreme tolerances and long battery life in a lightweight and durable design.

After a period of testing, checking its performance with SICCOM in scenarios similar to those of an official test, the organisation decided to purchase them and incorporate them as the standard device for its technical officials.

The ZX80 offers a processor ready to work with AI-enabled workloads, along with sufficient memory and storage to run SICCOM smoothly, even at times of high demand. The native integration of an NFC tag reader meets one of the key requirements of the project: quickly reading the identifiers associated with items and components, reducing manual errors and speeding up operations in closed parks, assistance and verifications.

Its rugged design is conceived for demanding environments, with resistance to shocks, dust, humidity and temperature changes. **Its battery life is designed to support a full day of competition use under typical operating conditions**, while the touch screen, combined with the use of a capacitive stylus, facilitates precise interaction with all SICCOM functions under pressure and in adverse weather conditions.

/ Benefits /

Since the implementation of the fully rugged Getac ZX80 Android tablets, the daily experience of RFEDA officials has clearly improved. SICCOM now runs more smoothly, powerfully and stably, resulting in faster checks and fewer technical incidents during the race.

The combination of robust hardware and software designed specifically for competition control allows for greater security. They now have a device capable of withstanding the conditions of each rally, keeping the application operational at all times. With the rugged ZX80 tablets, technical incidents and waiting times during vehicle technical checks are reduced.

The use of the integrated NFC reader has simplified the identification of items and improved the traceability of components, providing more robust and documented technical control. The robustness and autonomy of the ZX80 give RFEDA officials peace of mind, knowing they have reliable hardware that is up to the task.

The result is a continuous workflow, without equipment changes or interruptions, which reinforces the federation's image of professionalism among teams, drivers and organisers.

/ About RFEDA /

The Royal Spanish Automobile Federation (RFEDA) is the highest sporting authority in motor racing in Spain: it organises and supervises national championships, cups and trophies, as well as representing the sport before the relevant international bodies. It works to ensure safety, sporting fairness and the sustainable development of motor racing, while promoting innovation and digitalisation projects that modernise the management of competitions.

