

Safety off-road Race With EM-Q11 rugged tablet

The EM-Q11 rugged tablet of Emdoor as a digital roadbook provides strong guidance and safety guarantee for Spanish off-road teams.



Challenge

Off-road Racing always comes with risk and trouble. Electronic rally roadbook have gradually replaced paper roadbook in international off-road competitions to provide drivers and Co-drivers with the most accurate route guidance and reduce the risk of accidental casualties due to disorientation. However, most long-distance cross-country races are held on the high mountains and the desert Gobi. The harsh environment tests the car's performance and the driver's willpower and puts forward high durability requirements for the mobile computing device used for the digital road book.

Solution

Emdoor's rugged tablet EM-Q11, which has high waterproof, dustproof and shockproof performance and can endure the harsh temperature in the desert, has won the favor of the Spanish off-road team. Moreover, it can easily cope with various road conditions, whether the shock and vibration caused by desert, Gobi, or gravel, and always maintain a stable and accurate display of road conditions, assisting the driver in rushing to the finish line at the optimal speed.

Benefits

The EM-Q11 tablet has a 10.1-inch screen that is ideal for navigation, providing riders/co-driver with a clear display of road conditions/mileage/danger level for each stage. With the built-in GPS receiver, the EM-Q11 tablet will always keep racing on the right track. Furthermore, the high-strength body of EM-Q11 will not be affected by the high temperature of the scorching desert sun and shut down due to the bumps caused by the super-high-speed running of the racing.



EM-Q11
Rugged Tablet PC

Challenge

The 2021 Moroccan Off-Road Rally World Championship is held in the Zagora region. The competition is divided into two categories: the motorcycle group and the all-terrain vehicle group. The entire stage is about 2,600 kilometers, and the racers must go through five stages of intense pursuit in the Sahara desert. The endless desert and the scorching high temperature of the scorching sun are doomed to the hardships of the game.

An accurate and concise road book can save drivers valuable race time and reduce many accident risks. In the past, the official road book used in the competition was a paper document, which required drivers and co-drivers to manually modify according to their reading habits for use in the race. An incomplete road book due to missing paper is enough to ruin a driver's race. Moreover, in the single-person motorcycle competition, the roller-type road book is generally used, and the paper road book has the possibility of jamming. The delayed time difference often makes the racer miss the championship.



Taking into account the inconvenience and problems caused by paper road books, the organizing committee encourages participating teams to use digital road books to improve drivers' concentration and safety in the race. Unfortunately, the harsh desert environment is too unbearable for the ordinary electronic device to withstand. Only equipment with a reinforced protective design can accompany drivers to face the arena.

Solution

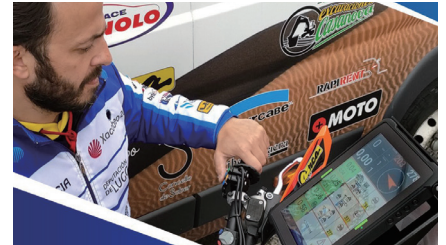
The size of the EM-Q11 reinforced tablet is just right so that customers can easily install it on motorcycles and off-road vehicles without any burden. With its clear and bright screen, the racer is equivalent to getting an easy-to-read electronic map. Every note in the paragraph, including signs of danger points and forks in the road, is well displayed. Moreover, after many tests of shock resistance, shock resistance, and temperature difference, the stable output of the EM-Q11 tablet gave the Spanish off-road team confidence.



Ten minutes before the start of the cross-country race, the digital roadbook is uniformly distributed to the tablet devices of the participating teams through software. The Q11 tablet's easy-to-use features and responsive touch response accelerate the speed at which racers can familiarize themselves with track conditions. And it is unaffected by the racing car's violent shocks, providing accurate, clear, and timely navigation for the entire race. For motorcyclists who need to work as both a driver and a navigator, the latest route consultation is the key to ensuring that they drive safely and fast. The timely course response brought by the EM-Q11 tablet largely avoids the dilemma of the racer getting lost due to losing the navigation point on the stage.

Benefits

The EM-Q11 tablet offered the Spanish off-road team sufficient durability and enhanced data readability, which is essential for racers to make quick decisions and control race progress. Relying on the EM-Q11 tablet, they smoothly Completed the challenging 2021 Moroccan Off-Road Rally.



Easy-to-read display

The Q11's high-definition, high-contrast 10.1-inch large screen provides vital maps and information to the driver on the move, even in the bright desert sun. With at-a-glance graphics and icons, racers can timely know what's going on at each stage.

Stable performance

In the face of a desert environment with severe temperature fluctuations, the outstanding durability of the Q11 tablet can work stably without being affected. And always provide full route navigation for the whole game.

Rugged for the racing

In challenging off-road arenas, bumps are common. The Q11's reinforced body made to MIL-STD-810G military standards can withstand many blows while riding and assist the rider in running the entire distance.