Getac

Rugged Mobile Computing Solutions

AGRICONNECT

optimises flowering in orchards with Getac tablets

/ Challenge /

In orchards, the flowering period requires effective and efficient decision-making: it is necessary to determine the right number of flowers to keep guaranteeing the quality and quantity of the harvest. This is a complex process which, without the use of suitable tools, can impact production over several seasons. For its Cclair solution, Agriconnect needed a rugged and reliable device that could accompany agricultural workers and technicians in the field, in an environment subject to dust, vibrations and climatic variations.

/ Solution /

To meet these constraints, Agriconnect turned to Getac ZX10 rugged tablets. Used as an interface with the Cclair sensor, they enable orchards to be mapped, data to be collected and transmitted to the web platform, while ensuring optimal operation in the field. Their robustness and software stability make them a tool that is perfectly suited to intensive agricultural use.

/ Advantages /

The Getac ZX10 tablets combine mechanical resistance, reliability and ease of use. Their sunlight-readable screen and stable operation, even in difficult conditions, help ensure a smooth experience for all employees. They facilitate the work of producers by ensuring that Cclair technology is fully operational, regardless of weather conditions or intensity of use.

/ AGRICONNECT /

« Users of the Cclair solution need simple, reliable and powerful tools that work during surveys in orchards, even in difficult weather conditions, when moving between plots without a stable network connection, or during data synchronisation. That's what we found relevant with Getac solutions. »

Michel DURIF, Managing Director Agriconnect.

Getac ZX10
Fully Rugged Tablet

/ Challenge /

In arboriculture, each flowering season is a decisive moment. Growers have just a few days to decide how many flowers per tree to keep ensuring the best possible harvest. A wrong decision can result in an insufficient harvest or small apples, while also jeopardising the following year's production.

This decision is even more complex for orchards with several thousand trees, all of which have different needs.

Agriconnect designed Cclair, a solution combining a simple, robust, easy-to-use sensor with embedded artificial intelligence (AI) and a web service that displays a map of the orchard to better define and target treatments. However, this system, designed to guide growers' decisions, is only fully operational if it is equipped with a mobile device capable of withstanding real-world conditions: dust and humidity in orchards, constant vibrations in tractors, significant temperature variations, accidental drops and optimal readability in direct sunlight.

/ Solution /

Agriconnect chose the Getac ZX10 fully rugged Android tablet as the central interface between the Cclair sensor and the web platform. With the application installed on the tablet, technicians and agricultural workers can efficiently map orchards, retrieve data from the map and the results of AI treatments carried out by the ECU (Electronic Control Unit) embedded in the sensor, and transmit them to the Cclair web platform.

By choosing to use Getac ZX10 rugged tablet, Agriconnect ensures hardware robustness and software stability when using the Cclair solution. The optimised Android system prevents interruptions caused by untimely updates, a significant advantage for outdoor use in an environment often synonymous with unstable network connections. Compatibility with an MDM (Mobile Device Management) system simplifies remote deployment, configuration and maintenance. Finally, the ergonomics and visibility of the screen, even in sunlight, support smooth operation for operators, whether they are accustomed to digital devices.

/ Advantages /

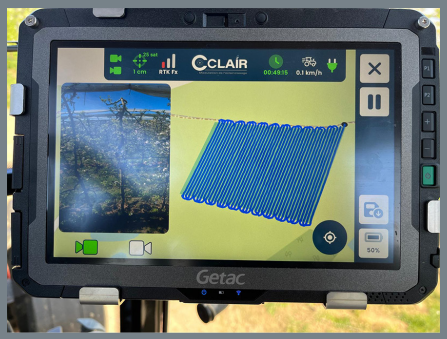
« The integration of Getac ZX10 tablets has transformed and simplified the user experience.” says Michel Durif, Managing Director at Agriconnect. The previous version of Cclair was based on a small screen connected by cable to the ECU embedded in the sensor, protected by a casing. This configuration was less ergonomic and more restrictive. The move away from this wired system to a new version incorporating a smart, rugged tablet has simplified the use of Cclair. This new version runs the Cclair application, communicates with the sensor's ECU via Wi-Fi and transmits the results to the web platform for a smoother, cable-free and much more intuitive user experience.

“The ruggedness of Getac tablets, their resistance to shock, vibration, dust and humidity ensures that our solution continues to function even with the vibrations to which the tablets are exposed in the tractor.” says Michel Durif, Managing Director of Agriconnect.

The software stability and lack of interruptions associated with Getac tablet updates ensure that essential tasks, such as mapping and data collection, are carried out without interruption, whether in the orchards or in the office.

/ ABOUT AGRICONNECT /

Agriconnect is a French company specialising in Agritech, with expertise in arboriculture. Its solution, Cclair, helps producers make the right decisions at the right time to optimise apple tree flowering to increase production (by an average of 15%), reduce the use of plant protection products (by 30%) and cut working time in orchards (by 30%). Agriconnect puts innovation at the service of sustainable and efficient agriculture by combining smart sensors, artificial intelligence and software solutions.



Copyright © 2025 Getac Technology Corporation and/or any of its affiliates. All Rights Reserved. V01M11Y25WW