

DATIK PRESENTS ITS DCB (Datik Computing Brain) IN BUSWORLD 2019

Datik will be part of the Busworld international fair in Brussels (Stand: 634, Hall 6) where we will have the pleasure of presenting our **DCB (Datik Computing Brain)** in its LITE (DCB-T) or PRO (DCB-H) version. The DCB is the brain of the bus, which is responsible for centralizing information, integrating services and sending all the information collected to the cloud; and is certified with the **ITxPT seal**, which is a **guarantee of quality and interoperability** with other on-board systems. This new electronics follows the automotive standards, incorporating **fleet management, remote maintenance, advanced fuel consumption analysis** and **driving safety management** based on artificial vision.

The **ITxPT open architecture** brings several **benefits**, such as the **scalability**, management and growth of a bus fleet becomes much easier; **simplified extensions**, it allows adding extensions to the system's functionalities; **simplified vehicle installations**, integrated modules and systems can be combined and operated together even if they are manufactured by different suppliers; and, **cost savings and higher level of passenger service**, vehicle manufacturers can benefit from less customization in product development and the economy of scale of a wider market.

The DCB has an ITxPT architecture based on Ethernet and integrates the following devices:

- AVL (Automatic Vehicle Location), for geolocation based services.
- Multiple CAN Bus, for services related to fuel consumption reduction and cost reduction through advanced preventive, corrective and predictive maintenance
- Multi-service driver console, integrating iPanle SAE, CCTV, Eco Driving, Safe Driving and Ticketing systems.
 - DSM (Driver Monitoring System): which helps improve safety by warning the driver of the risk of fatigue, distraction or use of the mobile.
 - ADAS (Advanced Driver Assistance System): It helps improve safety by warning the driver of the risk of collision, lane change, safety distance and pedestrian detection.
- IP cameras, to manage incidents with real-time video evidence.
- TFT panels, to offer multimedia content and information for the passenger, such as punctuality, advertising, service incidents, weather forecasting, etc.
- LED panels, for the exterior of vehicles with contents of the service to inform the passenger.
- APC (Automatic Passenger Counting), a system counts people to detect and measure fraud in the operation and control the real occupation of the transport service.

- Validator of transport titles with RFID, QR or NFC on board for services without the use of cash.
- Vending of transport titles to centralize sales and increase commercial speed.

The DCB connected to our **iPanel ®**, a **Cloud Computing solution** that integrates the necessary services that a transport operator needs, adds value to the operator by integrating the following management processes into a single tool and devices:

- Compare vehicles based on their performance and reliability.
- Reduce purchase, fuel and maintenance costs.
- Improve quality by reducing the response time to incidents in the services and, giving quick responses to customer complaints.
- Reduce the risk by improving the driving attention of drivers.
- Increase the number of passengers adapting the service to their needs

Datik provides **customized services** to operators, from fleet management solutions providing advanced driving style analytics; until the analysis of behaviour in the conduction measuring the risk by fatigue.

The recent implementation projects in DBUS - San Sebastián (Spain), Urban Bus of El Ejido (Spain) and the BRT of Puebla (Mexico) have meant an advance in the IoT applied to transport. The high knowledge of the transport management processes of Datik's engineering team, makes the portfolio of products and services offered to its customers improve and grow continuously. **The flexibility of the iPanel ® solution makes a general product for all customers a unique solution for each of them.**

Currently, Datik monitors more than 4,000 vehicles in countries such as Spain, France, England, United States or Mexico, where a delegation has recently been opened with the intention of being closer to customers.

Further information: <https://www.datik.es/en>

Contact: <https://www.datik.es/en/contact-us>