handheld

Rugged Windows Tablets: Revolutionising Onboard Bus Systems

Transportation sectors worldwide have been undergoing a rapid evolution, particularly in the realm of technology.

A standout innovation in this domain is the adoption of fully rugged tablets for onboard bus systems. These robust devices are not only reshaping the user experience for passengers but are also bringing unprecedented efficiencies for operators.

Durable Driver Control Units (DCUs)

Handheld's ultra-rugged tablets are used onboard buses as driver control units (DCU). A DCU is a critical element of modern transit operations, assisting drivers with automatic fare collection, route management, vehicle diagnostics and communications.

When a rugged tablet is used as a DCU, it simplifies these tasks with integrated features like GPS, robust processing power and a large, clear display. Plus, given their compact size, rugged tablets allow for more efficient space utilisation inside the driver's cabin compared to traditional DCUs.

The tablet's touchscreen interface allows drivers to easily access real-time data, from route changes to traffic updates. With built-in connectivity options, the tablet enables seamless communication between drivers and control centres, ensuring that drivers always have the latest information at their fingertips.

Handheld offers both **Android and Windows rugged tablets** with unmatched value as a driver control unit or for mobile mapping. Algiz rugged tablets are compact in size and combine powerful computing with

meaning that no sand or dust can enter the unit

ultimate reliability in the toughest environments. Fast processing power along with user-friendly features and design provides efficiency on long workdays for bus drivers.

A Closer Look at the Algiz 10XR Rugged Tablet

Handheld's new Algiz 10XR rugged Windows tablet harnesses the power of today's technology to deliver significant improvements for rugged mobile computing. It is a smaller, lighter, 10-inch Windows tablet that achieves more even while taking up less space. The Algiz 10XR's Intel Elkhart Lake platform really packs a punch.

First, let Handheld's Lina Simme give you an overview of her top five features of the Algiz 10XR rugged Windows tablet. Check it out **here**.

The Technology to Be Truly Versatile

The Algiz 10XR includes an amazingly bright screen that features glove/rain mode so it's ready to go when the weather gets harsh. There are three separate USB-C ports and optional integrated NFC. It comes with a dedicated u-blox receiver and chipset as well as long-lasting, hot-swappable batteries. Future-proof 5G communication can handle live video streams and bandwidth-heavy tasks like mapping.

Designed for Any Mobile or Vehicle-Mounted Application

Public transport or waste management, GIS or mining; ambulances or logistics and yard work; a hundred

different mobile or vehicle-mounted applications – **the Algiz 10XR rugged Windows tablet** was designed for modularisation and customisation. The u-blox functionality offers untethered dead reckoning (UDR) by blending GNSS signals and inertial sensors to provide accurate positioning performance under even weak GNSS conditions.

Ready to Go beyond the Basics

Wait – there's also a broad ecosystem of accessories like a vehicle dock with antenna pass-through for both GPS and Wi-Fi – providing optimal signal quality at all times – carry cases, hot-swappable batteries and more. Plus, the Algiz 10XR has a unique 'backpack' configuration to allow for customised, proprietary add-ons.

Focus on Ruggedness, Durability and Efficiency

With a focus on durability, performance and ergonomic design, Handheld's mobile computers all come with an IP65 or IP67-rating meaning that they are waterproof and fully protected against dust.

Meeting stringent MIL-STD-810 test standards for withstanding vibration, drops and tumbles, as well as extreme and fluctuating temperatures, dust and water, these rugged devices can handle the daily pressures of any road condition, making them ideal for deployment in any vehicle.

With their rugged design, powerful performance, and flexible connectivity options, Handheld's product line of rugged tablets and handhelds offers exceptional performance reliability, at an affordable price, making them a top choice for those in need of stable mobile computing solutions – and the Algiz 10XR Windows tablet is no exception.

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Digital Solutions

RUGGED COMPUTERS
FOR TOUGH ENVIRONMENTS

STAY RUGGED, CONNECTED, AND IN CONTROL

Introducing the Algiz 10XR rugged tablet: Your next-gen DCU for modern transit operations! Enjoy flawless route management, Automated Fare Collection, Real-Time-Passenger Information, and communications on a large, clear display.

Experience real-time updates on a large, clear display, from route alterations to traffic news. With intuitive touch-screen capabilities and unmatched processing power, stay ahead and connected. Algiz 10XR: Drive Smart, Drive Rugged!

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