

Janz 提供车载电脑解决方案

日期: 2008-6-18



Display unit in a dashboard



A new challenge for our developers recently was the development of a control unit for dash-board installation in an off-road vehicle.

The system needed to feature an on-board CANbus connection and to be able to meet all the requirements for rugged mobile applications.

The solution was to base the design on the familiar emPC-A400™ with extended temperature range, combined with a 5.7" TFT LCD display. All chosen components had to have a working temperature range from -30°C up to +70°C.

Modifications were also needed in order to achieve the necessary vibration security.

It was necessary to develop a custom-designed IP65 housing to meet these special requirements and dimensions

The required display was readable at daylight as well as at night. Therefore brightness was designed to be auto-adjusted via a CANbus-linked ambient sensor.

Since the control unit uses a conventional operating system, some fixed boot time is inevitable, and is minimized by system optimization down to about a 20s.

By connecting the display unit directly to the vehicle data bus, customer can create different applications for the unit, such as the use as autarkic car control system, as navigation system or for reversing camera.

北京风丘科技有限公司

地址: 北京市海淀区上地信息路 1 号
国际创业园 2 号楼 2201 室

邮编: 100085

电话: 010- 82894993 82894983

传真: 010- 82894696

网址: www.windhill.com.cn

邮件: info@windhill.com.cn