

# Fleet Management Solution: Ambulance



## Introduction

Faster diagnosis and treatment for emergency patients is the key to increase success rate of rescuing patients. So, after the patient is put into an ambulance, how to send medical examination data to hospitals for preliminary diagnosis by doctors and then treatment by medical personnel in the ambulance is what we should think about in an advanced medical treatment system.

In order to put this solution into practice, it is absolutely necessary to equip ambulances with in-vehicle computers that operate stably in a mobile environment, giving responders powerful computing ability and the ability of sending data and images from various medical instruments in the ambulance to hospitals via fast wireless networks.

## Solution and Advantages

- **Various vehicle computers**

To meet demands of various service conditions, Darveen offers many types of vehicle mounted computers with different display sizes or stand-alone fanless computers with rugged monitors, giving customers more choices. Those vehicle computers are equipped with a touch screen or an integrated keyboard. The customer may choose the most suitable computer according to his/her actual operating conditions.

- **Rich and various comports**

In order to connect to various sensors around the vehicle, Darveen engineers equip vehicle computer with various and rich comports, including RS-232/422/484, CAN, GPIO, Bluetooth, Ethernet(POE), Video channel...., .

- **Comprehensive Wireless Communication**

In order to improve data communication between vehicle mounted computers and control centers, Darveen's vehicle mounted computer supports multiple methods of wireless communication, including WIFI, GPRS, 3G and the latest LTE, for more choices by customers. Furthermore, this kind of computer is designed for multiple-antennae, and could be equipped with 4 kinds of RF antennas simultaneously, satisfying the needs of many customers.

- **Power supply with features of waterproof, power ignition, UPS and wide-voltage**

As unstable power supply of trucks and harsh environment, Darveen especially design wide-voltage, lightning protector and aviation-connector for power supply to improve their performance. Power ignition to delay booting or shutdown, and a UPS battery to keep the computer on during replacement of forklift battery.

- **Wireless camera**

In order to easily install camera to any area of vehicles, we design wireless camera solutions which only need provide power to cameras without signal cables.

- **GLONASS/GPS/BD multiple positioning system**

