Enhancing Logistical Efficiency For Better Performance And Flexibility

For this major US logistics company, reliability and traceability are credited to their ever-expanding loyal client base. Regardless of whether it's a general delivery or high security material, such as radioactive waste, their fleets use the same advanced vehicle embedded technology. Making use of the PCM-9361, they are able to keep track of individual fleet locations via GPS which transmits data through a GPRS module that allows real-time updates to be sent to the dispatch center. With this technology, their clients are able to track their shipments in real-time and the recorded statistics of delivery times can be used to evaluate driver performances.

Although other companies were using the Intel Atom to power their technology, Advantech's PCM-9361 was their premiere choice as more reliability and advanced features are offered, such as system protection fuse, long-life solid capacitor, ultra stable power sequence controller and SMSC Super I/O with RS485 auto direction and accurate temperature monitoring. All these features met the customer's goals for higher performance, low power usage and had virtually no maintenance hassles. The technology is run on an embedded Linux operating system that comes with direct support from Advantech's in-house Linux engineer, coupled with SUSI, a componentized driver set for easy hardware/software integration.

How it works

The PCM-9361 is installed in the truck cabin and connected to the GPS and GPRS module. Signals given off by the GPS allow headquarters to know where their trucks are while giving them more data to coordinate additional deliveries with other drivers. The cargo that goes on and off the truck is tracked with RFID and operators can easily transmit real-time data back to headquarters. It can also alert dispatchers if a truck has gone off-route and re-route to make up for lost time.

For more information

Email: ECGInfo@advantech.com
Toll Free: 1-800-866-6008