Automobile–Smartphone Telemetry

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Abstract

The project presents a convenient and reliable method to permanently be in touch with a vehicle's condition. The development board with a powerful 80MHz Stellaris® ARM® Cortex™-M3-based MCU, GPS, GPRS, sensors, isolated communication interfaces, MicroSD Card, Flash Memory, enables a reliable communication between parties. A person will be able to read/modify important data present on the kit by connecting to an Internet Server. Essential data as temperature, position, humidity, pressure or acceleration is displayed periodically. In case of an accident, the Police and Hospital are alarmed through an emergency call and SMS.