

F2010-B-073

VEHICLE MANAGEMENT SYSTEM

¹Seo, Suk-Hyun*, ¹Kim, Jin-Ho, ²Hwang, Sung-Ho, ¹Kwon, Key Ho, ¹Jeon, Jae Wook

¹School of Information and Communication Engineering Sungkyunkwan Univ., Korea,

²School of Mechanical Engineering, Sungkyunkwan Univ., Korea

KEYWORDS – Real-time system, gateway, in-vehicle network, FlexRay, CAN, LIN

ABSTRACT - This paper presents a vehicular management system (VMS) that consists of gateway, hand-set and vehicular management program (VMP). With the increased demand for vehicular services, overall electronic system has been developing rapidly in the last two decades. As the number of electronic devices has increased, automatic control and management have been made possible. Especially, automatic management of a vehicle will provide great benefits to owner (driver) because of increase in convenience. In this paper, we construct a simple VMS which can apply to a practical automotive system.