

ADVANCED AUTOMOTIVE COMMUNICATION NETWORKS CAN PROTOCOL TECHNOLOGY

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Abstract. Electronics plays an important role in automotive communication network and it is expected to replace, as possible, mechanical and hydraulic systems that are used in vehicle. To reduce vehicle weight and fuel consumption, bus network technology was currently adopted. The paper presents several main protocols used in automotive communication and details the characteristics of the CAN (Controller Area Network) protocol.

Key words: Controller area network, communication network.