



Controller Area Network Prototyping with Arduino

By Wilfried Voss

Copperhill Media Corporation, United States, 2014. Paperback. Book Condition: New. 248 x 190 mm. Language: English. Brand New Book ***** Print on Demand *****. While the Arduino is not widely considered an industrial-strength solution, it provides, due to its low price and ease of programming, the perfect prototyping platform for all kinds of Controller Area Network (CAN) applications. This book, written by a leading expert on CAN technologies, guides the reader through the process of acquiring all necessary hardware and software components, the implementation of the CAN driver, and the implementation of programs (Arduino Sketches) to read, send, process, and display data from and to a CAN network. The collection of programming examples cumulates into a full-fledged USB-to-CAN Gateway communicating with a Windows/Linux PC. This book will enable you to achieve CAN functionality literally within only a few hours. The topics include: Introduction to Controller Area Network Prototyping Hardware and its Variants Arduino CAN Shields CAN Driver Implementation and Library Functions Simple CAN Test Programs CAN Network Monitoring, Simulation, and Diagnostics Program CAN Data Display via Windows/Linux GUI About the Author Wilfried Voss is the author of the Comprehensible Guide series of technical literature covering topics like Controller Area Network...



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