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Dan Black, Leo Chartrand

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Dan Black, Leo Chartrand : Technician's Guide to the 68HC11 Microcontroller before purchasing it in order to gauge whether or not it would be worth my time, and all praised Technician's Guide to the 68HC11 Microcontroller:

0 of 0 people found the following review helpful. Excellent book on a (mostly) obsolete MicrocontrollerBy Rob WehrliI have to confess that this book was a bit hard for me to read...and not for any reason that you might think. Out of 8 boxes of books in the back of my truck during a torrential downpour, it was the ONLY one that got wet...and not just damp, but soaked. So...reading it after it dried and wrinkled was a PAIN. But, even in spite of the pain, it was/is a good read.The author (and perhaps editorial staff?) put a LOT of effort into making this book a really useful text. Many of the figures use gray scales and light/dark accents to highlight the relevant elements in the discussion.This is the "manual" that should have been available for purchase when the first M68HC11 parts were rolling off of the production line in the early 90s. Today, it is a challenge to purchase these parts. Likewise, the evaluation boards and tools used in working through the examples in the book are obsolete, no longer in production and/or available only

from factory-unsupported or enthusiasts web sites. While the M68HC11 has given way to the M68HC12, which is still available, there are far more functional parts available from both Freescale/Motorola and a number of competitors' products. A typical microcontroller from Microchip, Freescale, Renesas, NXP, Texas Instruments, Atmel and others is likely to have far more on-chip resources and be much more of a single chip solution for a wide-variety of uses than the parts described by this book that require multiple chips for many functions. This is the nature of the industry and not meant to detract from the usefulness of the HC11, but its day is (as is obvious from its lack of availability) in the past. If you happen to be working on an HC11-based project (which prompted the purchase of this book), I highly recommend it. I don't think that there is any corner of the part left untouched by this careful, thoughtful author. I highly recommend this book if you're supporting a legacy product based on the incredibly prolific "Motorola" HC11. 0 of 0 people found the following review helpful. Five Stars By Keith Thomas Book was in excellent shape. 0 of 1 people found the following review helpful. Five Stars By Chih-Wei Cheng Excellent service and nice product!!

Technician's Guide to the 68HC11 Microcontroller is ideal for readers with little or no prior programming experience who want to master the basics of troubleshooting and programming Motorola's 68HC11 microcontroller. Both hardware and software are covered in detail to provide a complete understanding of the principles underlying how a microcontroller works. Theory is supplemented by examples designed to illustrate how concepts may be applied. By learning how to program the 68HC11 at an elementary level, readers also gain valuable experience using manufacturer-specific documentation that prepares them for work with other more sophisticated microcontrollers.

1. Introduction To Computer Hardware. 2. Introduction To Computer Software. 3. HC11 Programming. 4. Branching Loops. 5. Indexing Through Memory. 6. Subroutines. 7. Working With An Assembler. 8. Memory Systems. 9. 68HC11 Interrupts Reset. 10. General Purpose I/O. 11. Analog Capture - Port E. 12. Timed Events - Port A. 13. Serial Communication - Port D. 14 C Programming and the HC11. About the Author Mr. Chartrand holds a Bachelor of Science degree in electrical engineering from Queens university in Kingston Ontario. He has been teaching digital courses for 20 years at Niagara College in Welland , Ontario. Mr. Chartrand has made industry contributions with various designs including interfacing an infrared camera to a PC, creating a digital circuit board used as a PC training system, and designing a control pendant for an air-filled medical bed. He also worked as a plant engineer for General Motors.