1. Record Nr. UNINA9910780012603321 Autore Owad Tom Titolo Apple I replica creation: back to the garage [[electronic resource] /] / Tom Owad Pubbl/distr/stampa Rockland, MA,: Syngress Publishing, c2005 **ISBN** 1-281-07310-5 9786611073107 0-08-049921-X 1-59749-023-7 Descrizione fisica 1 online resource (369 p.) Disciplina 004.165 Soggetti Apple computer Microcomputers Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Front Cover; Apple I Replica Creation: Back to the Garage; Copyright Page; Contents; Foreword; Chapter 1. The History of the Apple I; Introduction; The Apple I; The Apple I Owners Club; Apple I Pioneer Interviews; Summary; Chapter 2. Tools and Materials; Introduction: Tools You'll Need; Multimeter; Logic Probe; Breadboard; Wire-Wrap Tools: Soldering Iron and Materials: Power Supply: TTL Chips: Circuit Boards and Software Tools; Chip Pullers and Straighteners; Keyboard and Monitor; Ambience; Chapter 3. Digital Logic; Introduction; Breadboarding: Electricity: Gates: Circuits with Algebra Latches and Flip-FlopsWhat Is Data?; A Few More Chips; Summary; Chapter 4. Building the Replica: Introduction; Learning to Solder; Assembling the Replica I; Serial I/O Board; Using McCAD EDS SE; Summary; Chapter 5. Programming in BASIC; Introduction; Setting Up BASIC; Hello World; Input, Variables, Strings; Math; FOR/NEXT; IF/THEN; GOSUB; Arrays; Strings, In Depth; PEEK and POKE; The CALL

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Sommario/riassunto

The perfect book for computer hobbyists, Apple I Replica Creation: Back to the Garage is sure to equally appeal both to kids with gift certificates looking for fun on a snowy January day as well as to adults eager to learn the basics of simple microcomputer design. The book will begin by teaching readers the basics of computer processing by discussing the functionality of the 9 chip on the Apple I motherboard. From there, readers will be taught the basics of memory access and video input and output. Readers then learn how to assemble the various hardware components into a fully functioning App