

Microcomputer Systems The 8086 8088 Family Architecture

Microcomputer SystemsMicrocomputer SystemsMicroprocessors and Multicore SystemsMicrocomputer Systems: The 8086/8088 Family: Architecture Programming And Design 2Nd Ed. Microcomputer SystemsMicroprocessor Systems Design and ApplicationsDigital Circuits and SystemsMicrocomputer SystemsInfoWorldThe 8086/8088 PrimerMicroprocessor SystemsMicrocomputer Systems :the 8086/0888 Family 2ed- Architecture,programming And DesignThe Indispensable PC Hardware BookCollege of EngineeringMicroprocessor Technical SoftwareMicro SystemsInternational Journal of Mini & Microcomputers80386--a Programming and Design HandbookMini/Micro Southeast/84 Conference RecordMicrocomputer Software Directory *Yu-cheng Liu Atul P. Godse Liu & Gibson L. Yu-Cheng Dave Bursky Douglas V. Hall Yu-Cheng Liu Stephen P. Morse Stephen Evanczuk Yu Cheng Liu Hans-Peter Messmer University of Michigan. College of Engineering Penn Brumm*

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the book is written for an undergraduate course on the 16 bit 32 bit and 64 bit intel processors it provides comprehensive coverage of the hardware and software aspects of 8086 80286 80386 80486 and pentium processors the book uses plain and lucid language to explain each topic the book provides the logical method of describing the various complicated concepts and stepwise techniques for easy understanding making the subject more interesting the book begins with an overview of microcomputer structure and operation microprocessor evolution and types and the 8086 microprocessor family it explains the 8086 architecture instruction set instruction timings addressing modes assembly language programming alp assembler directives

standard program structures in 8086 assembly language machine coding for 8086 instructions alp program development tools 8086 interrupts pic 8259 and interrupt applications it focuses on features architecture pin description data types addressing modes and newly supported instructions of 80286 and 80386 microprocessors it discusses various operating modes supported by 80386 real mode protected mode and virtual 8086 mode finally the book focuses on multitasking 80486 architecture and pentium architecture it describes pentium superscalar architecture pipelining instruction pairing rules instruction and data cache floating point unit and overview of pentium ii pentium iii and pentium iv processors

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