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Microcomputers and Microprocessors: The 8080, 8085, and Z ...

Zilog introduced the Z80, which has a compatible machine language instruction set and initially used the same assembly language as the 8080, but for legal reasons, Zilog developed a syntactically-different (but code compatible) alternative assembly language for the Z80. At Intel, the 8080 was followed by the compatible and electrically more elegant 8085.

Intel 8080 - Wikipedia

Here it's the Z80 as found in the Sinclair ZX81, but for you it might be the 6502 from an Apple] [. For [Craig Andrews] it's the 8085, and after many years away from the processor he's finally...

An 8085 Retrocomputer From The Heart | Hackaday

Intel also introduced a slightly improved version of the 8080, the 8085. The standard operating

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system of the 8080, Z-80, and 8085 was CP/M, although several computers using these chips also had proprietary operating systems, such as Tandy's TRS-DOS. Well Known Z-80 and 8080 Hardware. Radio Shack TRS-80, earliest models

CPU: Intel 8080 and Zilog Z-80 | Low End Mac

The Z80 took over from the 8080 and its offspring, the 8085, in the processor market, and became one of the most popular 8-bit CPUs. [3] [4] Zilog was later by a few years than Intel (with its 80C85) to produce a low-power CMOS CPU, and this resulted in the Intel chip first appearing in use with battery-powered portable computers, such as Tandy ...

Zilog Z80 - Wikipedia

A short history of the 8080 and Z80 8-bit CPUs. First came the 8080. This required 3 power supplies and had a cumbersome set of clock pins, so much so that there was a separate chip available, the 8224, to drive it. Intel realised that this was putting designers off so they produced the 8085 which only required a +5V power supply and simpler clock circuitry. However the Z80 with its far more capable instruction set eclipsed the 8080/8085 in personal computers.

8085 Minimax | Hackaday.io

Introduction. At about the same time I developed the back end for the Intel 8080 and Intel 8085, Frans van Haarlem did the same job for the Zilog z80 microprocessor. Since the z80 processor is an extension of the 8080, any machine code offered to a 8080 processor can be offered to a z80 too.

Back end table for the Intel 8080 micro-processor

Microcomputers And Microprocessors: The 8080, 8085 and Z-80 Programming, Interfacing and Troubleshooting by John E. Uffenbeck (1990-11-07)

Microprocessor Programming, Troubleshooting, and ...

It can be used with any 8080, 8085 or Z80 computer. Most other translators require a Z80 processor. USING XZI ===== If running an 8080 or 8085, you may have some program that you want to convert to INTEL source code. This is not as simple as using an 8080-to-Z80 translator since the Z80 has extra commands not recognized by the 8080 or 8085 processors.

Looking for an 8080 to Z80 op-code converter

This video is about programming the Intel 8080, 8085 and Zilog Z80 in AssemblerSimluator software used in this video: <http://www.oshonsoft.com/>

Programming the Intel 8080, 8085 and Zilog Z80 in ...

It's true, the retro-computing community doesn't appear to be too interested in the 8080 or the 8085. I did a quick check with Google Trends: surprisingly there are 4x as many searches worldwide for "Intel 8085" than for "Intel 8080" or (!) Zilog "Z80". The question is: where does all that interest for the 8085 come from?

Will it work on an 8080/8085? | Details | Hackaday.io

#331 8085 and Z80 eBay finds IMSAI Guy. Loading... Unsubscribe from IMSAI Guy? ... #71 IMSAI 8080 talks for the first time in 33 years - Duration: 5:13. IMSAI Guy 8,874 views.

#331 8085 and Z80 eBay finds

The 8080 provides the programmer with an 8-bit accumulator and six additional

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8-bit "scratchpad" registers. Register pair PSW (Program Status Word) refers to register A (7) and a special byte which reflects the current status of the machine flags. This byte is described in detail in Chapter 2. MEMORY The 8080 can be used with read only memory ...

intel 8080 assembly programming manual - Altair 8800

Zilog introduced the Z80, which had a compatible machine-language instruction set and initially used the same assembly language as the 8080, but for legal reasons, Zilog developed a syntactically-different (but code compatible) alternative assembly language for the Z80. At Intel, the 8080 was followed by the compatible and electrically more elegant 8085, and later by the assembly language compatible 16-bit 8086 and then the 8/16-bit 8088, which was selected by IBM for its new PC to be ...

Intel 8080 - The Industrial Impact - Applications and ...

I very rarely used 8080/Z80 after that. However, 8080 was the focus of the CP/M community and all the magazines. ... The 6502 is a better CPU but lacks the 16-bit instructions that the 8080/8085 ...

Back To Where (For Most Of Us) It Started, The Intel 8080 ...

xix, 634 pages : 24 cm Includes bibliographical references and indexes Section I: Introduction to microprocessors -- Introduction to microcomputers -- Computer arithmetic and shifting -- Hardware and software considerations in a microprocessor -- Section II: Eight-bit microprocessors -- The Intel 8080 -- The Intel 8085 -- The Zilog Z80 -- The Motorola 6800 -- The MC6809 -- The 6500 family of ...

Microprocessor handbook : Greenfield, Joseph D., 1930 ...

Intel 8080, Intel 8085, Zilog Z80, Intel 8086, Motorola 68000: Kernel type: Monolithic kernel: Default user interface: Command line interface: License: Originally proprietary, now BSD-like: Official website: Digital Research official CP/M page

CP/M - Simple English Wikipedia, the free encyclopedia

As a result, running 8085 I/O cycles (to access the 16550 UART) in combination with memory read/write gets interpreted as a trigger to the 74HC393 and all things go to heck from then on. I spent a day wondering why the 8080/8085 Monitor worked with my Z80 CPU+ board but not with the 8085 board.

8080/8085 machine language Monitor released - Google Groups

However, engineering time must be put aside for modifications to the development system as and when they become necessary. 5.2 Software development The following list of software aids is readily available in 8080, 8085 or Z80 versions, and represents a very powerful software development facility when added to standard CP/M system software.

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