

## The Avr Microcontroller And Embedded Systems

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23. (a) 9FFFFh - 10000h = 8FFFFh = 589 824 bytes (b) 576 kbytes 24. 232 - 1 = 4 294 967 295 25. (a) FFh, 255 (b) FFFFh, 65535 (c) FFFF FFFFh, 4 294 967 295 (d) FFFF FFFF FFFF FFFFh, 18 446 744 ...

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AVR derives its name from its developers and stands for Alf-Egil Bogen Vegard Wollan reduced instruction set computer microcontroller, also called Advanced Virtual reduced instruction set computer. The AT90S8515 was the initial microcontroller which was based on the AVR architecture, though the first microcontroller to hit the commercial market was AT90S1200 in the year 1997.

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The AVR Microcontroller & Embedded Systems (Mazidi & Naimi) rTO understand the software and hardware of a microcontroller-based system, one must first master some very basic concepts underlying computer architecture In this chapter (which in the tradition of digital computers is called Avr Microcontroller And Embedded Systems Solution Manual