

## The IBM System/360 Model 30

IBM dominated the computer industry after introducing the System/360 computers in 1964. The 360 was not just *one* machine, but a *series* of upward-compatible machines designed to span the full circle (hence the name “360”) from commercial data processing to scientific applications.

Programs written for one model could run on any higher model. The machines pioneered the use of microcode to implement the same instruction set throughout the series and yet optimize the performance of each model. At introduction, the series included six models with a 25:1 performance range. The machines were so popular that IBM initially had trouble filling the orders.

The Model 30 was near the low end of the series. The first shipped 360/30 was to McDonnell Aircraft Corporation in June 1965.

<b>Manufacturer:</b> IBM	<b>Memory technology:</b> magnetic core
<b>First introduced:</b> 1964	<b>Memory size:</b> up to 64K bytes
<b>CPU technology:</b> transistor	<b>Machine cycle time:</b> 750 nanoseconds (1.33 MHz)

**Sources:** Emerson W. Pugh, et al. *IBM's 360 and Early 370 Systems*. Cambridge, MA: MIT Press, 1991. p. 195  
Paul E. Ceruzzi. *A History of Modern Computing*. Cambridge, MA: MIT Press, 1998. pp. 143-175  
<http://www.cmc.com/lars/engineer/comphist/model360.htm>



<http://www.geocities.com/SiliconValley/Lakes/5705/360.html>

# IBM 1130

The IBM 1130 was a desk-sized computer designed for small-scale general-purpose and scientific applications. At its original release, IBM provided more than 50 programs for mathematical, statistical, and engineering applications. FORTRAN programs written for the 1130 could also run on the IBM System/360 series. Programmers could also code in the RPG and assembly languages.

The machine had removable one-megabyte disk cartridges. It could also support punch card and paper tape equipment, line printers, plotters, an optical mark page reader, disk storage packs, and graphical display units. An 1130 computer could also function as a remote processor terminal for a 360 computer.

**Manufacturer:** IBM  
**First introduced:** 1965  
**CPU technology:** semiconductor

**Memory technology:** magnetic core  
**Memory size:** 4K or 32K 16-bit characters  
**Memory cycle time:** 3.6 microseconds (0.28 MHz)

**Sources:** Emerson Pugh, et al. *IBM's 360 and Early 370 Systems*. Cambridge, MA: MIT Press, 1991. pp. 497, 587  
C. Gordon Bell, et al. *Computer Structures: Readings and Examples*. New York: McGraw-Hill, 1971. p. 399  
Original IBM press release at <http://www.shubs.net/1130/1130Release.html>  
IBM 1130 Functional Characteristics (System Reference library) at <http://www.shubs.net/1130/functional/index.html>



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