



Computer Architecture

Amanuel Legesse

ATE/3628/1

SUBMITTED TO: -

ABEBE A



IBM PC

5150



The IBM Personal Computer is the first microcomputer released in the IBM PC model line and the basis for the IBM PC compatible.

The IBM PC was the first commercially successful personal computer. It was introduced in August 1981 and quickly became the standard by which all other personal computers were judged. The IBM PC was powerful, reliable, easy to use and affordable for the average person. It was also the first computer that was 100% compatible with the original IBM PC/AT microprocessor.

- The IBM PC had a lot of features software and hardware wise some of the configurations are as follows:

Model	IBM PC (5150)
History	Introduced: August 1981 Discontinued: April 1987
CPU	Intel 8088 @ 4.77 MHz
RAM	IBM Monochrome Display Adapter or IBM Color Graphics Adapter

Display	IBM 5151 monochrome display IBM 5153 color display Composite-input television
Input	IBM Model F 83-key keyboard with five-pin connector
Sound	Single programmable-frequency square wave with built-in speaker
Storage	Up to two 5.25", 160 kB/320 kB (single/double sided) floppy disk drives Port for attaching to cassette tape recorder Optional hard disk drive
Expansion	Five 62-pin expansion slots attached to 8-bit CPU I/O bus IBM 5161 Expansion Chassis with eight (seven usable) extra I/O slots
Communications	Optional serial and parallel ports
Software	IBM PC DOS, CP/M-86, UCSD p-System

- Reception of the IBM PC was extremely positive. Even before its release reviewers were impressed by the advertised specifications of the machine, and upon its release reviews praised virtually every aspect of its design both in comparison to contemporary machines making it one of the most memorable PC in computing history.