

# BIOS Data Area Information

Address*	Set bit and value (where applicable)	Description
0408-040F		Parallel printer adapter addresses (LPT 1-4)
0410		Equipment status byte
	bit 0	1 = disk drives in system
	bit 1	1 = math coprocessor installed (XT, AT only)
		Initial video mode
	bits 4 and/or 5	11 = 80-column by 25-line monochrome 10 = 80-column by 25-line color 01 = 40-column by 25-line color
		Number of disk drives in system
	bits 6 and/or 7	00 = 1 01 = 2 10 = 3 11 = 4
0411		Equipment status byte
	bits 1-3	Number of RS-232 adapters (COM 1-4)
	bit 4	Game port attached (except on AT systems)
0413		Low byte usable system RAM (K)
0414		High byte usable system RAM (K)
0417		Keyboard status flag byte
	bit 0	1 = Right Shift key pressed
	bit 1	1 = Left Shift key pressed
	bit 2	1 = Control key pressed
	bit 3	1 = Alternate key pressed
	bit 4	1 = Scroll Lock active
	bit 5	1 = Num Lock active
	bit 6	1 = Caps Lock active
	bit 7	1 = Insert mode active
0418		Keyboard status byte
	bit 3	1 = Ctrl-Num Lock toggled
	bit 4	1 = Scroll Lock active
	bit 5	1 = Num Lock active
	bit 6	1 = Caps Lock active
	bit 7	1 = Insert mode active
0419		Alt-Numeric Keypad input (accumulator)
041A-041B		Keyboard buffer head (word pointer)
041C-041D		Keyboard buffer tail (word pointer)
041E-043D		Keyboard buffer
0449		Current CRT mode
044A		Number of CRT columns
0463-0464		Address of current display adapter
046C-046D		Low word of timer count
046E-046F		High word of timer count

\*All addresses are hexadecimal

Segment: 0000