Two ways to read/write those registers

I/O ports

in and out instructions on x86 to read and write devices registers

Memory-mapped I/O

Device registers are available as if they were memory locations and the OS can load (to read) or store (to write) to the device

I/O Ports on PC

I/O address range (hexadecimal)	device
000-00F	DMA controller
020–021	interrupt controller
040–043	timer
200-20F	game controller
2F8–2FF	serial port (secondary)
320–32F	hard-disk controller
378–37F	parallel port
3D0-3DF	graphics controller
3F0-3F7	diskette-drive controller
3F8–3FF	serial port (primary)