



Memory Address Space:
 0x00000 - 0x3FFFF: 256k RAM
 0x40000 - 0xBFFFF: 512k Unused
 0xC0000 - 0xFFFFF: 256k ROM

IO Addresses:
 0x0000: LCD Module Data
 0x0002: LCD Module Command
 0x0004: LCD Module Data (mirrored)
 0x0006: LCD Module Command (mirrored)
 0x0008: 82C55 Port A (Controller 1)
 0x000A: 82C55 Port B (Controller 2)
 0x000C: 82C55 Port C (Controller Select)
 0x000E: 82C55 Control Word
 0x0010: 8251 USART Data
 0x0012: 8251 USART Control Word
 0x0014: 8251 USART Data (mirrored)
 0x0016: 8251 USART Control Word (mirrored)

Controller data format:

82C55 Port C = 0: 0b11xxxxxx

Up (0 if pressed, 1 if not pressed)
 Down (0 if pressed, 1 if not pressed)
 Left (0 if pressed, 1 if not pressed)
 Right (0 if pressed, 1 if not pressed)
 B (0 if pressed, 1 if not pressed)
 C (0 if pressed, 1 if not pressed)

82C55 Port C = 1: 0b11xxxxxx

Z (0 if pressed, 1 if not pressed)
 Y (0 if pressed, 1 if not pressed)
 X (0 if pressed, 1 if not pressed)
 Mode (0 if pressed, 1 if not pressed)
 A (0 if pressed, 1 if not pressed)
 Start (0 if pressed, 1 if not pressed)