byte ordering

consider int $x = 0x01234567 = 0x16^7 + 1x16^6 + ... = 19088743$ with pointer &x = 0x100

big endian (most significant byte first)

little endian (least significant byte first)

adress 0x100 0x101 0x102 0x103value 0x100 0x101 0x102 0x103 0x100 0x101 0x102 0x103

ARM chips can operate with both, iOS and Android use little endian.