

BINARY CODING BASICS

Reference Sheet & Conversion Guide

What is Binary?

A base-2 numbering system using only 0 (Off) and 1 (On).

Units

1 Bit = Single 0 or 1

1 Byte = 8 Bits

	128 ₂ °
	64 ₂ °¶
	32 ₂ °µ
	16 ₂ °´
	8 ₂ °³
	4 ₂ °²
	2 ₂ °¹
	1 ₂ °°

0	00000000	Null
32	00100000	Space
48	00110000	0
65	01000001	A
66	01000010	B
67	01000011	C

97	01100001	a
98	01100010	b
99	01100011	c

To convert: Add the bit-values (top row) where the binary digit is "1".