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2220002 → 2000,222

. Convert to binary :

2000/2 = 1000   0 (Remainder)
1000/2 = 500   0
500/2 = 250   0
250/2 = 125   0
125/2 = 62   1
62/2   = 31   0.
31/2   = 15   1
15/2   = 7   1
7/2   = 3   1
3/2   = 1   1
1/2   = 0   1

$$0,222 \times 2 = \overset{\text{product}}{0,44} \quad \text{Integer part}$$

$0,444 \times 2 =$	$0,888$		0
$0,888 \times 2 =$	$1,776$		1
$0,776 \times 2 =$	$1,552$		1
$0,552 \times 2 =$	$1,104$		1
$0,104 \times 2 =$	$0,208$		0
$0,208 \times 2 =$	$0,416$		0
$0,416 \times 2 =$	$0,832$		0
$0,832 \times 2 =$	$1,664$		1
$0,664 \times 2 =$	$1,328$		1
$0,328 \times 2 =$	$0,656$		0
$0,656 \times 2 =$	$1,312$		1
$0,312 \times 2 =$	$0,624$		0
$0,624 \times 2 =$	$1,248$		1
$0,248 \times 2 =$	$0,496$		0
$0,496 \times 2 =$	$0,992$		0

So $\Rightarrow$ $11111010000.0011100011010100_{(2)}$

$= 2000,222_{(10)}$ (approximately)

. Convert to hexa:

2000 | 16
0 | 125 | 16
    13 | 7 | 16
        7 | 0

$2000_{(10)} = 7D0.$

$0,222 \times 16 = 3,552$ 3
$0,552 \times 16 = 8,832$ 8
$0,832 \times 16 = 13,312$ 13
$0,312 \times 16 = 4,992$ 4
$0,992 \times 16 = 15,872$ 15
$0,872 \times 16 = 13,952$ 13
$0,952 \times 16 = 15,232$ 15
$0,232 \times 16 = 3,712$ 3
$0,712 \times 16 = 11,392$ 11
$0,392 \times 16 = 6,272$ 6
$0,272 \times 16 = 4,352$ 4
$0,352 \times 16 = 5,632$ 5

So $2000,222_{(10)} = 7D0.FDF3645_{(16)}$ (approximately)