

Integer:

0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
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-2^{15} 2^{14} 2^{13} 2^{12}

2^0

$$0x4001 = 2^{14} + 2^0 = 16384 + 1 = \mathbf{16385}$$

1.15 Fractional:

0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
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-2^0 . 2^{-1} 2^{-2} 2^{-3}

2^{-15}



Implied Radix Point

$$0x4001 = 2^{-1} + 2^{-15} = 0.5 + .000030518 = \mathbf{0.500030518}$$