

Integer:

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

$$0xC002 = -2^{15} + 2^{14} + 2^1 = -32768 + 16384 + 2 = \mathbf{-16382}$$

1.15 Fractional:

1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0
-2^0	2^{-1}	2^{-2}	2^{-3}												2^{-15}

Implied Radix Point



$$0xC002 = -2^0 + 2^{-1} + 2^{-14} = -1.0 + 0.5 + 0.000061035 = \mathbf{-0.499938965}$$