

# Information SHEET



## Component Descriptions for the Contemporary Controls' Math Kit

What follows are component descriptions for Sedona components in the CControls\_Math kit. This is a custom hardware independent kit that can be used with any Sedona 1.2.28 platform.

### Two-Input Addition with Configurable Inputs (Add)

Solves the equation  $Out = Inp1 + Inp2$

The two input slots are configurable.

Add <span style="float: right;">+</span>	
CControls Math::Add	
Inp1	0.0
Inp2	0.0
Out	0.0

### Two-Input Divide with Configurable Inputs (Div)

Solves the equation  $Out = Inp1 / Inp2$

The two input slots are configurable. If Inp2 is zero, the Divide by zero slot (Div0) is true.

Div <span style="float: right;">+</span>	
CControls Math::Div	
Inp1	0.0
Inp2	0.0
Out	0.0
Div0	true

## Two Input Multiply with Configurable Inputs (Mul)

Solves the equation  $Out = Inp1 * Inp2$

The two input slots are configurable.

Mul	
CControls Math::Mul	
Inp1	0.0
Inp2	0.0
Out	0.0

## Two-Input Subtract with Configurable Inputs (Sub)

Solves the equation  $Out = Inp1 - Inp2$

The two input slots are configurable.

Sub	
CControls Math::Sub	
Inp1	0.0
Inp2	0.0
Out	0.0

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