

```
#include <stdlib.h>
#include <stdio.h>
#include "xutil.h"
#include "xparameters.h"
#include "xuartlite_1.h"

#define SG_adder_BASEADDR 0xFF000000
#define SG_adder_HIGHADDR 0xFF00FFFF
#define SG_adder_SIZE 0xFFFF
//Gateways In

#define SG_adder_Gateway_In (SG_adder_BASEADDR+0x0)
//tag name: in_0
//arith_type = Unsigned
//num_bits = 6
//bin_pt = 0
#define SG_adder_Gateway_In1 (SG_adder_BASEADDR+0x4)
//tag name: in_1
//arith_type = Unsigned
//num_bits = 6
//bin_pt = 0

//Gateways Out

#define SG_adder_Sum (SG_adder_BASEADDR+0x8)
//tag name: out_2
```