

## KC MODULE DESCRIPTION

Main areas on the KC Module:

A and B operating Registers  
Functional Units

### A and B Operating Registers

These two registers are 32 bits in length each. They support all arithmetic functions. The A and B registers are used for source operands and only the B register is used for the result operand. They are also used to support the channel data register and the console register.

### Functional Units

All the functional units are located on the KC module. They are Logical (product, difference, sum), Shifts, Add, and Subtract. These are three clock period units. The A and B registers are used as the source operands and the B register is used as the result register.