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Find the *Abaco Systems / SBS / SciTech Com360* at our website: *Click HERE*

PMC-Based Com360 Module

- PCI slave interface provides access to PCI configuration registers and QUICC registers
- PCI master interface allows the QUICC to transfer serial data directly to/from PCI memory
- Four SCC ports available, each of which is a full duplex serial channel
    - Data rates as high as 10 Mbit/sec
    - Individual configuration to support either RS-232, RS-422, or RS-485
- Two SMC ports available
    - Data rates as high as 120 KB/sec
    - Configured to support RS-232
- Utilizes a MC68360(QUICC) operating in slave mode as its communications controller
- Optional support for 128K of dual port static ram for high performance application
- Support for front and back panel I/O
- VxWorks real-time operating system support

The Com360 communications module provides up to six full duplex serial ports based on the Motorola MC68360 Quad Integrated Communications Controller (QUICC). The four SCC ports are each capable of transmitting and receiving data using either RS-232, RS-422, or RS-485 standards. In addition, two SMC ports are available using RS-232 standards.

The SciTech Com360 module can be configured with serial I/O out the front or back panel using the P1 front panel connector or P14 back panel connector.

Board-level driver support for the Wind River System's VxWorks real-time operating system is available.

The Com360 module adheres to the electrical requirements of the PCI interface specification and to the mechanical requirements of the PMC interface specifications.

Product Options Available

The Com360 module has three options. The part number is constructed using these three options:

Com360- (2 or 4) (S) (F or B)

The first option is the selection of the SCC ports with RS-232 or RS-422 configuration. The RS-232 option operates in single-ended mode, allowing Com360 cables that are under 50 feet in length. The actual performance rate of the RS-232 port is 120 KB/sec. The RS-422 option operates in differential mode, allowing Com360 cables that are up to 4000 feet in length and provide better noise immunity. The actual performance rate of the RS-422 port is 10 MB/sec.

The second option is the selection of two SMC ports. Two RS-232 SMC ports are available with data rates of 20 KB/sec each. If this option is selected then a special cable is neccesary to accommodate the extra ports.

The third is the availability of I/O out the FRONT PANEL or BACK PANEL. For front panel the I/O is provided on a 68 position connector and cable which break the four ports into individual 25 position connectors. The back panel option allows I/O to be routed to either a custom backplane or a 64 position P2 connector.

As an example the Com360-2SF is a module with RS-232 SCC ports, two SMC ports, and I/O out the front panel, while the Com360-4B has RS-422 SCC ports, no SMC ports, and back panel I/O.

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