

Serial Input and Output Modules SER-409/410

Features

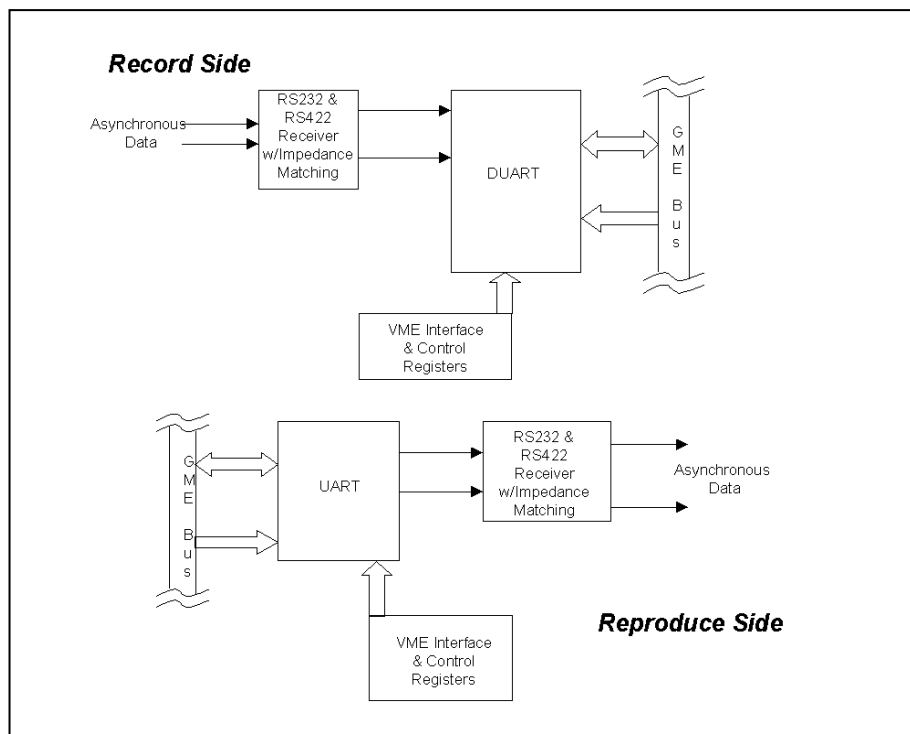
- User-selectable RS-232 and RS-422
- Selectable Protocol Characteristics
- Selectable Baud Rate Setting
- Standard and Custom Baud Rates Supported
- Bi-directional UART for Complete Support
- Up to 16 Serial Submodules per Quadraplex



Introduction

The Serial Input and Output modules support a wide array of input and output computer serial signals. The SER-409 and SER-410 modules plug into the Quadraplex card for complete flexibility. This motherboard/daughterboard architecture supports easy reconfiguration of the system, including the serial ports. Both RS-232 and RS-422 communications protocol levels are supported with complete flexibility to change word size, parity bit, and stop-bit utilization. The communications baud rate is also user-selectable.

Up to 60 of the Serial I/O modules can be supported in the system with ease of programming for all functions.



Inputs	Sources	Dual; Quad
	Data Source	Self-clocking RS-232 or RS-422
	Data Impedance	Per RS-232 and RS-422 standards
	Signal Levels	Per RS-232 and RS-422 standards
	Data Bits	7 or 8 bits, user-selectable
	Start/Stop Bits	1, 1.5 or 2 user-selectable
	Parallel Data Output	8-bit data, 8-bit tag to GME bus
	Operating Range/System	Up to 512 Mbps
Processing	Asynchronous Protocol	Standard UART
	Status Bits	System status error insertion
Outputs	Data Impedance	Per RS-232 and RS-422 standards
	Signal Levels	Per RS-232 and RS-422 standards
	Data Bits	7 or 8 bits, user-selectable
	Start/Stop Bits	1, 1.5 or 2 user-selectable
	Operating Range/System	Up to 512 Mbps
Electrical & Environmental	Form Factor	Quadraplex submodule
	Connectors	Motherboard I/O
	Indicators	Channel active and FIFO overflow
	Operating Temperature	32 °F - 158 °F (0 °C - 70° C)
	Storage Temperature	14 °F - 185 °F (-10 °C - 85 °C)
	Operating Altitude	0 – 10,000 feet (0 – 3,100 meters)
	Storage Altitude	-1,000 – 20,000 feet (-300 – 6,200 meters)
Ordering Codes	Humidity	20 – 95% noncondensing
	SER-409-0x	Serial Module, Input
	SER-410-0x	Serial Module, Output
	SER-409-1x	Serial Data Input, Quad
	SER-410-1x	Serial Data Output, Quad