

## IMUX Parallel Input/Output Submodules Differential TTL PAR-416/417

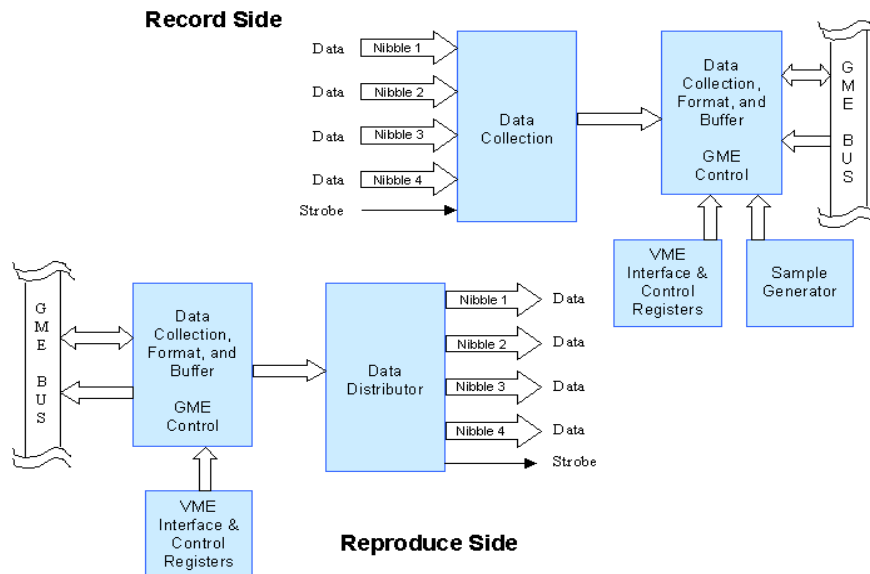
### Features

- Accepts Synchronous and Asynchronous Data
- Differential Signal Interface
- Complete Data Reconstruction
- 8- or 16-bit Selectable Data Sizes
- Up to 4 Parallel Ports per Quadraplex Card



### Introduction

The Parallel Input and Output modules support data rates up to 10,000,000 samples/second. The PAR-416 and -417 daughterboard interface cards plug into the Quadraplex board in both the airborne and laboratory chassis. The Parallel modules accept data in selectable formats of 8- to 16-bit data words in a mix-and-match format for a total of 32 bits per transfer. The Parallel module inputs its data to the recorder, up to 10,000,000 samples per second, by both a user-provided data strobe (for data driven appli



<b>Inputs</b>	Data Sources	Up to 16 inputs
	Timing Sources	Internal or external strobes
	Signal Levels	Differential TTL
	Operating Range	Internal clocked, DC to 10,000,000 SPS
	Operating Range	External clocked, DC to 10,000,000 SPS
<b>Processing</b>	Data Control	Selectable parameter sizing, 8 to 32 bits per transfer
<b>Outputs</b>	Data Output	Up to 16 outputs
	Timing Sources	Internal or external data strobe
	Signal Levels	Differential TTL
	Operating Range	Internal clocked, DC to 10,000,000 SPS
	Operating Range	External clocked, DC to 10,000,000 SPS
<b>Electrical and Environmental</b>	Form Factor	Quadraplex submodule
	Connectors	Motherboard I/O
	Indicators	Channel active and FIFO overflow
	Operating Temperature	32 - 158 °F (0 °C - 70 °C)
	Storage Temperature	14 -185 °F (-10 °C - 85 °C)
	Operating Altitude	0 to 10,000 feet (0 to 3,100 meters)
	Storage Altitude	-1,000 to 20,000 feet (-300 to 6,200 meters)
	Humidity	20 to 95% noncondensing
<b>Ordering Codes</b>	PAR-416-xx	IMUX Parallel Input Module, Differential
	PAR-417-xx	IMUX Parallel Output Module, Differential