

## Analog Input and Output Submodules ANL-401/xx and ANL-402/xx

### Features

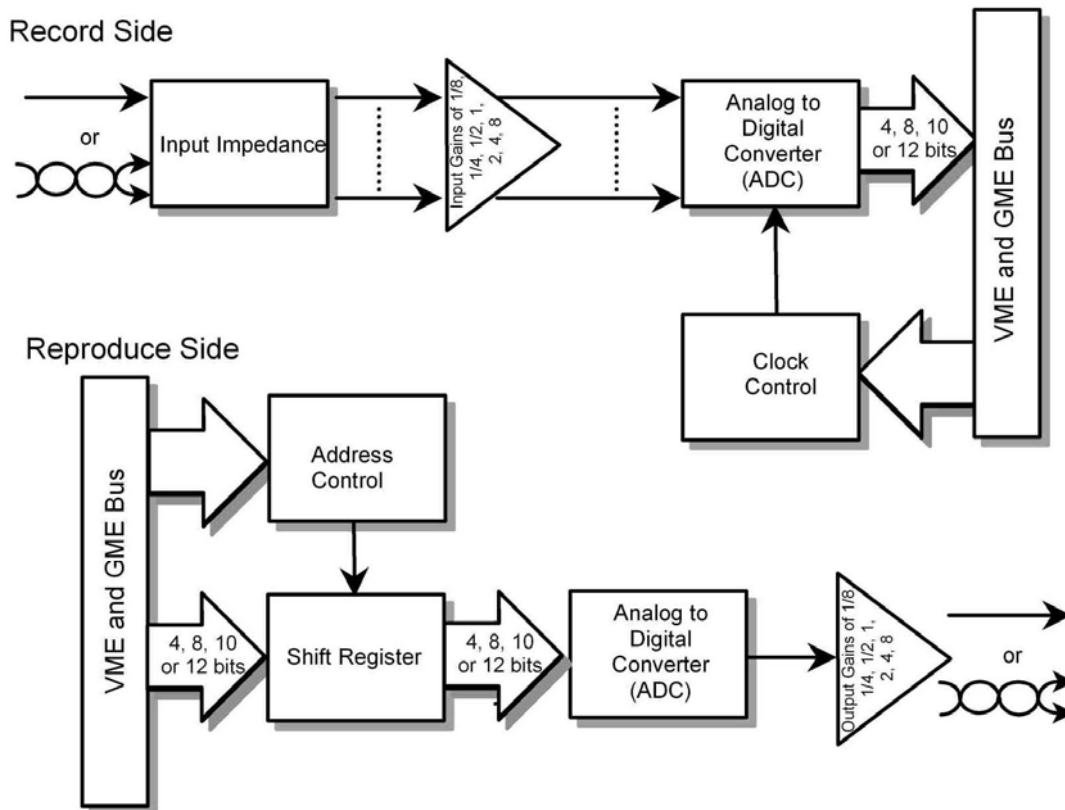
- Input to 25,000,000 Samples/Second
- Selectable Internal Clock Rates
- Selectable Internal or External Rates
- User-selectable High and Low Impedance



### Introduction

The Analog Input and Output modules support data digitizing and reproduction rates of up to 25 MSPS. Working in tandem with the Quadraplex motherboard, the Analog Input and Output daughterboard interface cards supports the widest selection range for input and output signal level impedance and gain settings.

The user chooses 4, 8, 10, or 12-bit resolution (4 bits for better than 6.25% resolution and up to 12 bits for better than 0.03% resolution). To meet individual user requirements, options are also provided for gain, impedance, and data-digitizing rate.



<b>Inputs</b>	Data Sources	Single
	Data Impedance	Selectable; 75 ohms (low) and 10,000 ohms (high)
	Signal Levels	Differential or single-ended
	Operating Range	122 SPS to 25 MSPS
	Input Gains	1, 2, 4, 8, 1/2, 1/4, and 1/8
	Operating Range/Card	Up to 120 Mbps
	Operating Range/System	Up to 512 Mbps
<b>Processing</b>	Resolution	Selectable 4, 8, 10, and 12-bit (2 bits optional)
<b>Outputs</b>	Data Sources	Single
	Current	250 ma (max)
	Signal Levels	10 Vpp
	Operating Range	122 SPS to 10 MSPS
	Input Gains	1, 2, 4, 8, 1/2, 1/4 and 1/8
	Operating Range/Card	Up to 120 Mbps
	Operating Range/System	Up to 512 Mbps
<b>Electrical and Environmental</b>	Form Factor	IMUX Quadraplex submodule
	Connectors	Motherboard I/O
	Indicators	Channel active and FIFO overflow
	Operating Temperature	32 – 158 °F (0 – 70 °C)
	Storage Temperature	14 – 185 °F (-10 – 85 °C)
	Operating Altitude	0 to 10,000 feet (0 to 3,000 meters)
	Storage Altitude	-1,000 – 20,000 feet (-300 to 6,200 meters)
	Humidity	20 to 95% noncondensing

## Ordering Information

<b>ANL-401/10-xx</b>	Analog Input, 10 MSPS
<b>ANL-402/10-xx</b>	Analog Output, 10 MSPS
<b>ANL-401/25-xx</b>	Analog Input, 25 MSPS
<b>ANL-402/25-xx</b>	Analog Output, 25 MSPS