

ARINC-629 Input Module A629-418

Features

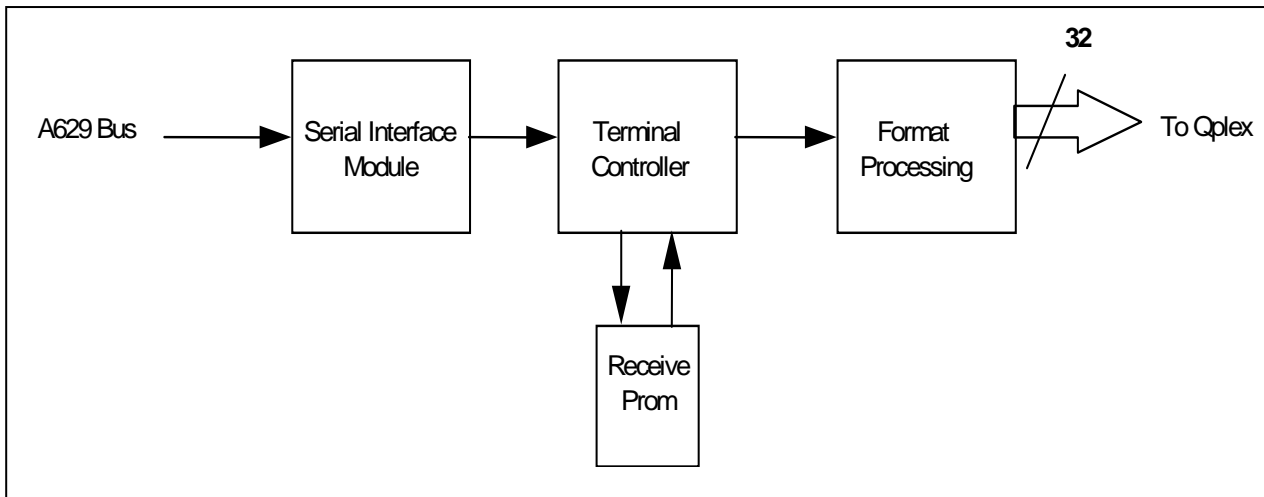
- 1 Channel/Module Site
- Basic Protocol
- Current-coupled
- Computer Readable Data Structure
- Supports Serial Interface Module Self-test



Introduction

The ARINC-629 Input Module is a dual-site module that contains circuits to capture and record one ARINC-629 bus. This board captures the data, formats the appropriate tag, and interfaces to the quadraplex board. The board is configured and controlled via the VME bus reflected by the quadraplex board.

To aid in the acquisition of specific data items from the connected ARINC-629 bus, the bus is capable of being filtered based on RPP coding. The filter settings can be set up via the host control port and saved in nonvolatile memory.



Inputs	Data Sources	(1) ARINC-629
	Signal Levels	In accordance with ARINC-629
	Bus Speed	2 Mb/sec
Processing	Data Patterns	32 bit words
	System Throughput	512 Kb/sec
	Max. Cards/System	32 (32 buses)
Electrical & Environmental	Form Factor	2-module site
	Connectors	In accordance with quadraplex interface
	Indicators	Data & enabled
	Operating Temperature	32 °F to 158 °F (0 °C to 70 °C)
	Storage Temperature	14 °F to 185 °F (-10 °C to 85 °C)
	Operating Altitude	1 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	