Model No -AMS-LIU-196KC-16

LAUNCHER INTERFACE UNIT

FEATURES

- Intel X96 family CPU
- Compact Design
- Rugged Packaging
- On board RAM/EPROM/EEPROM

SPECIFICATIONS

- TN87C196KC @ 16MHz
- 16KB BOOT EEPROM (OTP)
  32Kx8 EEPROM / EPROM
  16Kbytes Static RAM
  8Kbytes 1553B
  8Kbytes I/O
- 1-dual redundant channel
- 5-channel (RS-422)
- Analog I/P 48-channels +/-10V, 12 bit Resolution 10µSec conversion time Over Voltage Protection of 40V (for all Channels)
  Anti-aliasing Filter of 100Hz (for all Channels)
- Analog O/P 12-channels +/-10V, 12 bit resolution Setting Time 10m Sec
- Digital O/P 98 Nos. with relay drive capability 28V, 300mA(max)
- Digital I/P 96 Nos. Opto-Isolated Input voltage range 3V to 30V.
- Operating Temperature : -40 to 85°C

DESCRIPTION

Launcher Interface Unit (LIU) is an Intel's EN87C196KC Micro Controller based ruggedized data acquisition system. The System acquires digital, analog data and the system has serial communication capabilities on both RS 422 and 1553B standards.

This System consists of one CPU card, Two I/O cards and one Power Supply card. CPU card consists of TN87C196KC Micro Controller operating at 16MHz, 32Kbytes of external EPROM/EEPROM, 16Kbytes of Static RAM, Five RS 422 serial I/O channels and one MIL-STD 1553B are interfaced with the Controller. CPU card consists of 16 Digital Inputs, 14 Digital Outputs, 16 Channel Analog to Digital Converter system, 4 Channel Digital to Analog Converter system.

I/O cards are similar to each other. Each I/O card consists 40 Digital Inputs, 42 Digital Outputs, 16 Channel Analog to Digital Converter system, 4 Channel Digital to Analog Converter system.

Power supply module consists of two DC-DC Converters.

APPLICATIONS

- Checkout Applications
- Data Loggers