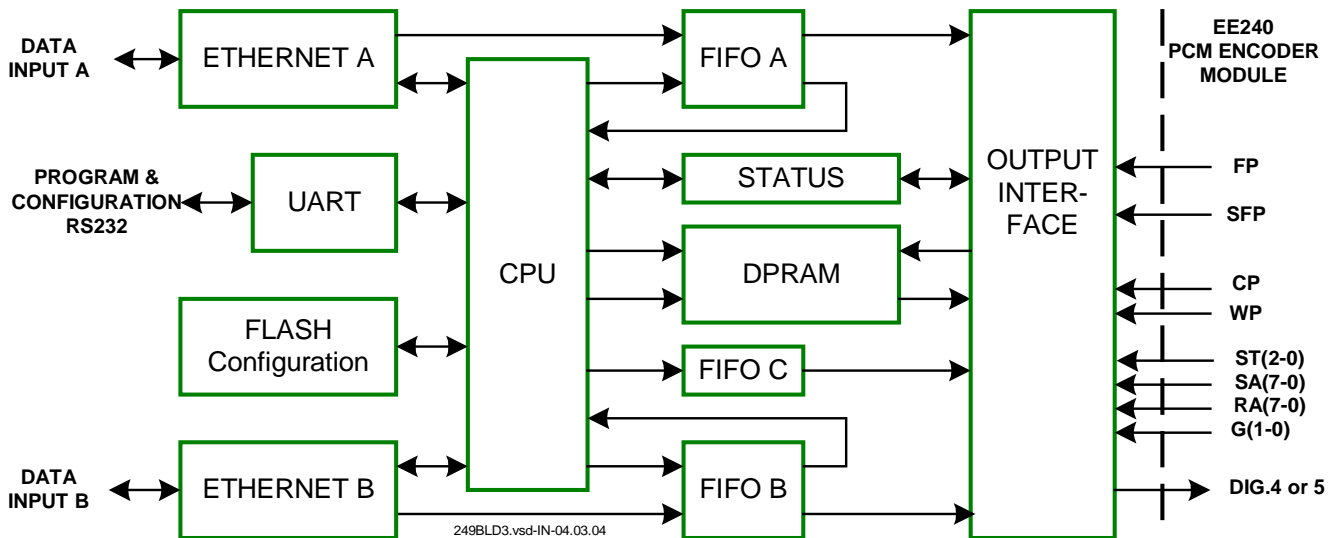


EE 240 PCM ENCODER

EE 249 Ethernet Module



EE240 PCM ENCODER System.

The **EE240** is a configurable **PCM Encoder** for analog and digital signal inputs. It has a modular design using plugin modules. The EE240 can be programmed with the **EE200 Format Generator** software to generate practically any type of PCM Format compatible to the **IRIG standard 106 class I**. Up to **8 independent PCM formats** may be downloaded via RS232 into the EE240 and stored. The EE240 is self-contained after programming. All input signals may be routed to any position of the PCM format, with **individual commutation rates**.

EE236 Power Module. 12 or 28 VDC.

EE237 SSR Controller Module.
EE235 Solid State Recorder, 256 or 2048 MByte.

EE238 SSR Memory Module. 768 to 6144 MByte.

EE240 PCM Encoder Module.
Optional EE878 Conditioning and Timing.

EE242 Analog Signal Conditioning Module.
32 Bridge inputs with filters.

EE243 Digital Interfaces Module.
32 On/Off and 4 frequency inputs.

EE244 Thermocouple Module, 32 ch.

EE245 Charge Amplifier Module, 32 ch.

EE246 Serial Data Packets Module.
4 RS232/422 configurable inputs.

EE247 Analog Expansion Module, 64 ch.
Single-ended or differential multiplexers.

EE248 GPS Receiver Module.
1 Hz NMEA position and 10 Hz Raw data.

EE249 Ethernet Module.

EE880 Analog Filter, 32 channel.
Option to analog conditioning modules.

EE249 Ethernet Module.

- 2 standard 10/100 MHz PC Ethernet LAN inputs for data to the PCM Encoder.
- The EE249 can received packets with it's own, specified or all LAN addresses.
- Common LAN protocols are supported. Listen only or handshake modes.
- Selected LAN packets or sections of packets are routed to the EE240 interfaces FIFO or DPRAM.
- Data loading to the interfaces can occur at Frame / Format start, a selected encoder commutation rate, or be asynchronous.
- High rate packets may bypass the CPU.
- The EE240 reads specified addresses and place data in assigned word/frames of the PCM format.
- EE249 is configured by sending text string packets from a PC over RS232 or an Ethernet port. The configuration is stored in Flash..
- EE249 receives control and address lines from the EE240 module. All data is returned on one serial digital line, DIG4 or-5.
- The EE200 Format Generator software supports the addresses required for the EE249.
- Options may include processing of input port data and output to Ethernet ports and Encoder.

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