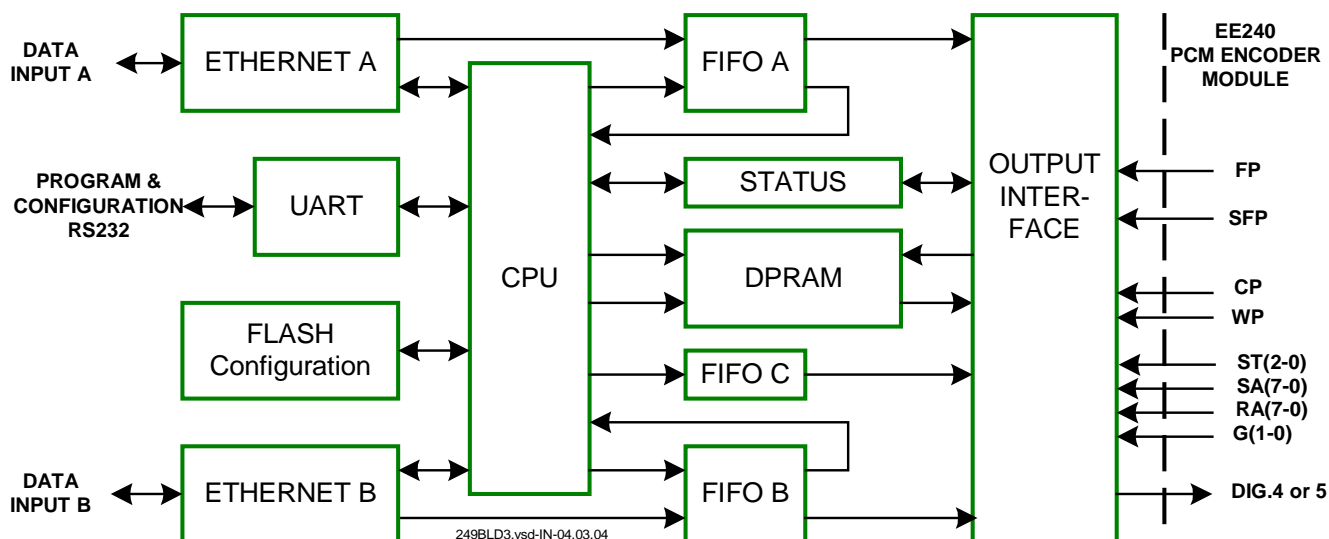


# EE 240 PCM ENCODER

## 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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