

8.5.7.27 HYST

Address offset: 0x538

Comparator hysteresis enable

8.5.7.28 ISOURCE

Address offset: 0x53C

Current source select on analog input

8.6 ECB – AES electronic codebook mode encryption

The AES electronic codebook mode encryption (ECB) can be used for a range of cryptographic functions like hash generation, digital signatures, and keystream generation for data encryption/decryption. The ECB encryption block supports 128 bit AES encryption (encryption only, not decryption).

The main features of ECB are:

- 128-bit AES encryption
 - Supports standard AES ECB block encryption
 - Memory-to-memory operations using Scatter/Gather DMA

The inputs and outputs of the ECB are illustrated below.

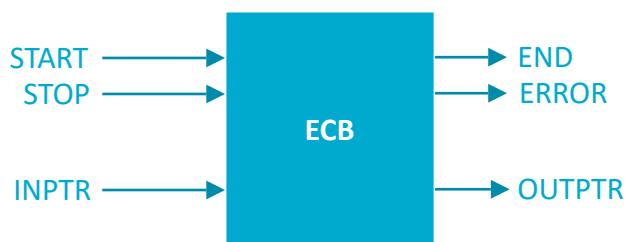


Figure 57: ECB block diagram