

For Audio data transmission

# IDB-1394 Controller MB88389

## Features

- Built in S400, 2port-PHY which is compliant with IEEE Std 1394b-2002
- Built in AV protocol (IEC61883) function
  - Correspondence packet format : Audio[Part 6]
  - Two channels simultaneous transmitting possible
- Audio stream-I/F : I<sup>2</sup>S (8ch) x 2ch  
Switchable to IEC60958
- Isochronous data-FIFO : 4Kbyte x 2ch
- Content Protection for DTCP standard
  - Cipher/Decipher engine that can process two streams simultaneously
  - AKE accelerator : Oval operation, Digital signature generation/verification, Random numbers generation
- Asynchronous data-FIFO
  - Asynchronous transmit FIFO : 512byte
  - Asynchronous receive FIFO : 512byte
- HOST-I/F : SPI(Serial Peripheral Interface), I<sup>2</sup>C selectable
- Power Supply : 3.3V(I/O), 1.8V(Internal)
- Packaging : LQFP-100

# Block Diagram

