iWave
Embedding Intelligence

Processor Interface | iW - 8259A ICU | **IO Interface**

iW-Interrupt Controller is designed to transfer the interrupt with highest priority to the CPU, along with interrupt address information.

Applications

Used as Interrupt Controller Unit for 8080/85 and 8086/88/286 microprocessors

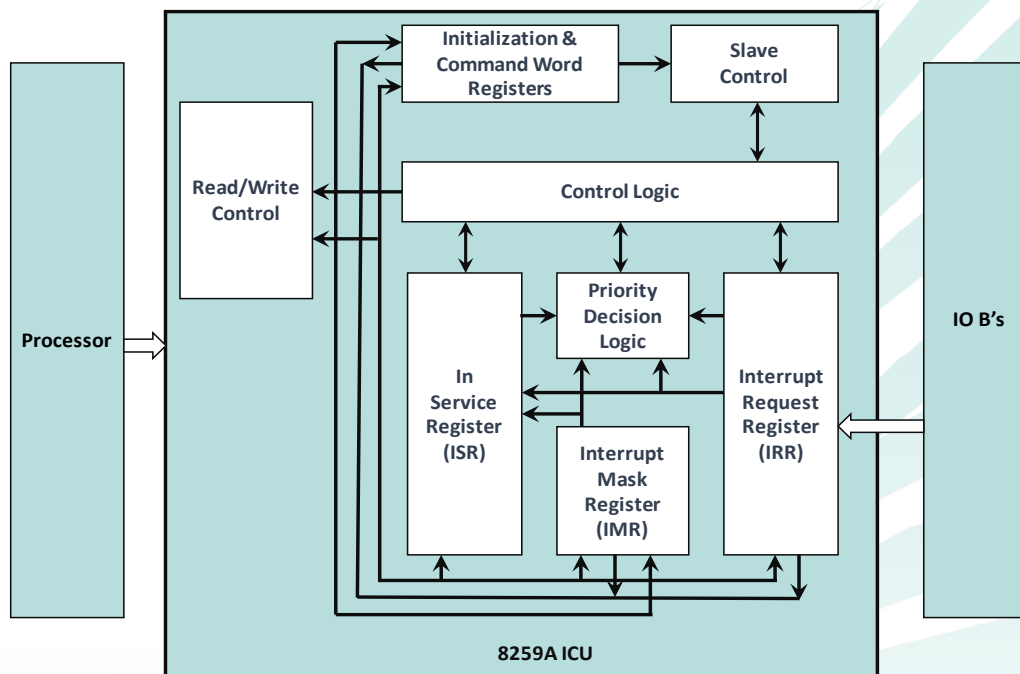## Highlights

- Compatible with 8259A and uPD71059

- Two modes of operation make the controller compatible with 8080/85 and 8086/88/286 microprocessors

- Microcomputer system with I/O devices are serviced with efficient manner by using iW-8259A interrupt controller

Features

- Eight interrupt request input per chip (INTP0 to INTP7).

- Up to 64 interrupt request inputs per system (Extended mode).

- Edge or level triggered interrupt request inputs.

- Individually maskable interrupt requests.

- Programmable interrupt request priority orders.

- Polling operation capability.

- Extended mode with cascade connection of external interrupts

iW - 8259A ICU IP block diagram

Deliverables

- RTL source code or Netlist
- IP example design
- IP datasheet
- Integration Manual

Licensing Options

- Non-Transferable: Single Project/Product Netlist License – Single Site or Multi Site
- Non-Transferable: Multi Project /Product Netlist License – Single Site or Multi Site
- Non-Transferable: Single Project/Product RTL Source Code License – Single Site or Multi Site
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Technical Support

iWave provides comprehensive support during your system integration & validation.

- The Client may open a new support incident by emailing to a technical support engineer
- iWave's response time shall be within 24 hours of the initial call, with the details of the action plan to resolve
- Support assistance shall be delivered by telephone, email and/or remote assistance via a web meeting
- iWave shall provide remote debugging support irrespective of the time zone/ region

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iW-8259A ICU FPGA IP
The IP can be ordered online from the iWave Website http://www.iwavesystems.com/product/8259a-interrupt-controller/
Or from our Local Partners in your region http://www.iwavesystems.com/about-us/business-partner.html

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