



KAL - Large IP Cores:

Analog IP Cores:

- **DDR2/3 PHY**
- Analog IP cores (ADC, DAC, PLL,) are available – Please contact us.
- We are expert in custom analog IP

CPU Cores:

- **8 bit - 8051**
- 8 bit- HC68HC11
- 8 bit - PIC Processor
- 8 bit – Z80
- 16 bit – D6800
- **DSP – MSP430**
- 32 bit - ARM 9xx/11xx

Memory Controllers:

- **SD/SDIO 2.0/3.0 Controller**
- SDRAM Controller
- DDR/DDR2/DDR3 SDRAM Controller
- NAND Flash Controller
- Flash/EEPROM/SRAM Controller
- PCMCIA/CompactFlash Host Adapter
- PCMCIA/CompactFlash Slave Controller

Clock Synchronization:

- IEEE 1588 Slave
- IEEE 1588 Master

MemConnect^(tm) is a comprehensive and fully customizable memory controller that supports all forms of SDRAM, LPDDR, NAND and NOR Flash and SRAM devices. Multiple port access with commonly used bus interfaces such as AHB, AXI, PLB and PCI/E are supported with sophisticated programmable arbitration scheme that can be tailored to each application's requirements.

MemConnect is supported by the innovative MemDesigner^(tm) software which propels customization to a new level. MemDesigner allows the user to easily explore different memory configurations before committing to the final design. MemDesigner is a free software available to anyone. With MemDesigner, any fully customized memory subsystem design is just a few mouse clicks away.

See how easy it is to customize a memory subsystem with [Customized Memory Controller](#)

[Find specific datasheet information on the MemConnect IP](#)

Eureka Technology is a leading semiconductor intellectual property (IP) provider since 1996. It provides system connectivity IP cores and memory subsystem designs.

Contact us for more information.

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- IEEE 1588 Master/Slave
- IEEE 1588 PTP Stack
- IEEE 1588 L2/L3 Solution

Peripherals:

- Floating Point Unit
- I2C Master/Slave
- SPI Master/Slave
- CAN bus
- LIN bus
- Programmable Peripheral Interface
- UART, UART with FIFO
- PWM
- Timer 8254
- Programmable Timer
- Interrupt Controller
- Ethernet Controller
10/100/1000 BaseT
- DMA Controller
- USB 1.0/2.0 Host/Slave
- On Chip Bus Analyzer

PCI Bus Controllers and
Peripherals:

- PCI Express
- PCI-X Host Bridge
Master/Target
- PCI Host Bridge
Master/Target
- PCI-PCI Bridge
- PCI-ISA Bridge
- PCI Bus Arbiter

Encryption:

- AES 128bit/256bit
- ECC

AHB/APB Peripherals:

- AHB Bus Master/Slave

Untill the next eNews,

Thanks yu for your attenstion.

KAL

- APB Bus Master/Slave
- AHB/AXI DMA Controller
- AXI Bus Master/Slave

MIPS CPU Interface:

- MIPS - SysAD Bus Slave
- MIPS - SysAD Bus to PCI Host bridge
- MIPS - EC interface to SDRAM Controller
- MIPS - EC Interface to PCI Host Bridge
- MIPS - EC Interface Bus Slave

PowerPC CPU Interface:

- Power PC Bus Master
- PowerPC to PCI Host bridge
- PowerPC Bus Arbiter
- PowerPC Bus Slave

ARC CPU Interface:

- ARC - Peripheral Controller for ARCTangent
- ARC – ARCTangent to PCI host Bridge

[Contact us for data sheet](#)

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