



KAL - Large IP Cores:

Analog IP Cores:

- 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 - 80251
- 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
- IEEE 1588 Master/Salve

The follow article has been written by Digital Core Design's CEO, Mr. Jacek Hanke, our long term partner for IP cores for ASIC and FPGA. Enjoy reading.

All Programmable Planet - What to Look for When Selecting 3rd-Party IP

I know that I need an IP Core for my project, but I don't know which one's vendor...
How many times did you ask yourself this question?

That's why on DCD's blog at All Programmable Planet we started a series dedicated to 3rd party IP Cores. Licensing an IP is not always as easy as it should be, cause Netlist or VHDL is sometimes just the beginning. So in our blog at APP bi-monthly we'll focus on "**Ten IP Core Commandments**": **1.** What are the deliverables with your IP cores? Will I get appropriate documentation? **2.** Can I evaluate your IP cores before buying? **3.** Do you provide hardware-assisted debugging capabilities? **4.** How long have you been creating IP cores? **5.** Can you show me your IP core portfolio? **6.** Can you show me your customer and success story portfolio? **7.** Are your IP cores silicon proven? **8.** What level of support can I get from you? **9.** How long will it take to tailor your IP to my needs? **10.** Do I know you?

Full Article:

http://www.programmableplanet.com/author.asp?section_id=2109&doc_id=248562&

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- 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
 - APB Bus Master/Slave

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Untill the next eNews,

Thanks yu for your attenstion.

KAL

- 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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