



## KAL - Large IP Cores:

### VIP cores:

- PCIe, USB, AMBA
- SD/SDIO, eMMC
- UniPro, I3C, Soundwire
- DDR 2/3/4, LPDDR, ONFI, SATA
- HDMI
- CAN, CANFDm, FLexRay
- SPI, I2C, SMBus

### Memory Controllers:

- SD/SDIO Controller
- SDRAM Controller
- DDR / SDRAM Controller
- NAND Flash Controller
- Flash/EEPROM/SRAM Controller
- PCMCIA/CompactFlash Host Adapter
- PCMCIA/CompactFlash Slave Controller

### CPU Cores:

- **32 bit - NEW**
- **8 bit - 8051**
- 8 bit- HC68HC11
- 8 bit - PIC Processor
- 8 bit – Z80
- 16 bit – D6800

### Clock Synchronization:

- IEEE 1588 Slave
- IEEE 1588 Master
- IEEE 1588 Master/Salve
- IEEE 1588 PTP Stack

Dear <Salutation>,

Today I want to review my partner - Oregano Systems GmbH, the IEEE1588<sup>®</sup> solutions and products. Oregano, one of the most important 1588 providers, provide RTL based solutions, software stack as well as development boards for 1588 users.

## RTL for ASIC/FPGA:

- 1588 with/with integrated CPU
- 1588 with many types of connectivity
- Support many architectures and PHYs
- Integration with any embedded CPU

## 1588 Software Stack:

- Linux and Windows support
- Source code delivery
- Software Management

## Hardware/Boards:

- PCIe NIC board with/without OCXO
- Single board solution embedded with CPU for 1588 complete solution
- 1588 NIC Box - turnkey solution hardware system
- 1588 VMS - multi-channel data accusation system (up to 22 channels)
- 1588 Gbit Switch: 8-1 Port 10/100/1000 Mbit/s Ethernet switch with 1588 support

KAL is representing Oregano Systems GmbH in

- IEEE 1588 L2/L3 Solution

Israel.

Peripherals:

[www.KALtech.co.il](http://www.KALtech.co.il)

- HDLC/SDLC
- Smart Card Reader Unit
- EEPROM SPI Ctrl
- LCD Ctrl
- 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

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 We are looking forward to hear from you.  
 Contact us for more information.

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Until the next eNews,

Thanks you for your attention.

KAL

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

Modulation:

- ADPSM

AHB/APB Peripherals:

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

Analog IP Cores:

- Analog IP cores (ADC, DAC, PLL,) are available – Please

**contact us.**

- **We are expert in custom analog IP**

[Contact us for data sheet](#)

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