

XYLON

An Electronics Company

Xylon is an electronics company designing optimized IP cores for Xilinx FPGAs and providing design services to lower production costs and improve the efficiency of our customers. Our key focus is in the development of efficient graphic solutions based on an optimized logicBRICKS™ IP core library. That enables our customers to shorten development time and keep them ahead of the competition.

The logicBRICKS™ is optimised for Xilinx FPGA devices and all our IP cores are supplied with full documentation, simulation vectors, test benches and reference designs. All IP cores are fully supported by the Xilinx Platform Studio and the EDK integrated software solution.

An easy-to-use EDK GUI interface enables user-friendly (IP drag and drop) design of complex embedded systems with no need for HDL coding. Additionally the EDK GUI allows IP tuning of slice consumptions and feature sets definitions.

Xylon has designed and delivered more than 50 various Video and Communication Xilinx FPGA designs. Our expertise is recognized and valued by European, USA, and Asian customers from a number of markets. Xylon is ISO9001 certified company.

logicBRICKS™ LIBRARY:

- logiCVC-ML Compact Multilayer Video Controller
- logiBITBLT Bit Block Transfer 2D Graphics Accelerator
- logiBMP Bitmap 2.5D Graphics Accelerator
- logiWIN Versatile Video Input
- logiBAYER Camera Sensor Raw Image Bayer de-Mosaicing
- logiLENS Fish-Eye Lens Image Correction/De-Warping
- logiMEM SDR/DDR Memory Controller
- logiUART Universal Asynchronous Receiver/Transceiver (LIN)
- logiCAN CAN 2.0B Network Controller
- logiAIR Audio Infrared Digital FM Modulator
- logiRC Remote Controller Receiver
- logiI2S I2S Audio Controller
- logiSTEP Stepper Motors Controller
- logi3D OpenGL(R) ES based 3D Graphic Accelerator

TARGETED MARKETS:

- Automotive
- Consumer
- Medical
- Industrial
- Military
- Aerospace

LICENSING MODELS:

- Project or Site License in Gate-Level netlist or Encrypted Source Code
- Site license of Source Code
- No royalties



Xylon endorses the SignOnce IP License; the industry's first and only set of common license terms for programmable logic soft IP cores. Xilinx and leading third-party providers (Xylon included) have agreed to offer cores to FPGA customers under a common set of terms. Customers can access IPs from multiple suppliers and combine them into a single FPGA project through a simplified and unified IP licensing process.

FLEXIBLE BUSINESS MODELS FOR:

- FPGA users capable of autonomous design of complex embedded systems
- Novice FPGA users requiring initial support from Xylon
- Turn-key solutions which maybe defined as stand alone products that can be maintained in-house
- User-specific trainings enabling an accelerated learning-curve
- Design services tailored to requirements



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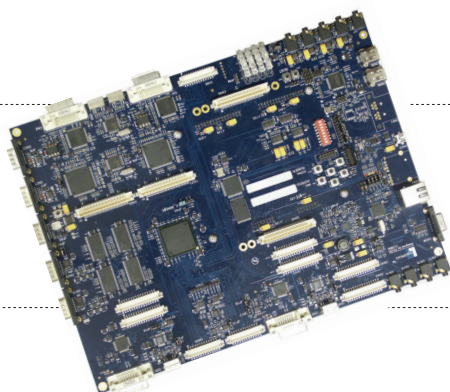
logiCRAFT2 and logiCRAFT3

Xylon Development/Evaluation Platforms

Xylon logicBRICKS™ IP cores can be evaluated on logiCRAFT2 and logiCRAFT3 Xylon development platforms, which are designed especially for developers working in the fields of multimedia and infotainment. Both platforms demonstrate modularity on all levels: software, board, FPGA and IP cores. The platforms make excellent development tools particularly appropriate for the development of embedded systems with strong graphics capabilities.

The logiCRAFT2 and the logiCRAFT3 platforms are designed to support a wide variety of audio and video sources, and handle a variety of LCD display types. Visit Xylon's logicBRICKS Web site to learn more about logiCRAFT platforms.

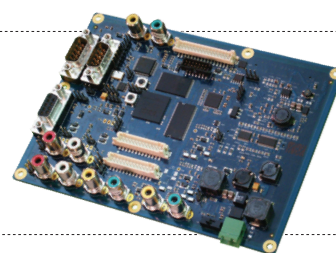
logiCRAFT2



logiCRAFT2 Key Features:

- Form factor 310 x 230mm (12" x 9")
- Xilinx XC3S1500 FG676-5
- 128MB DDR SDRAM
- 8MB NOR Flash
- Video output block supporting 3 displays:
 - Digital RGB
 - VGA DACs
 - DVI transmitters
 - LVDS transmitters from FPGA
 - Backlight/Contrast adjustment
 - Driver/power supply for one COG display
 - SW programmable PLL display clock
- Video input block supporting 2 video inputs:
 - 4 CVBS or 2 S-Video PAL/NTSC/SECAM
 - VGA DACs
 - DVI receivers
 - LVDS receiver (FPGA)
- Support for versatile networking protocols:
 - MOST
 - CAN
 - LIN
 - USB
 - IDB1394
 - RS232
 - Ethernet
- Audio Input/Output block:
 - Audio Codec (ADC/DAC) for 4 stereo channels
 - Microphone input
 - Audio line output
 - Headphones output
 - 2 stereo IR (wireless) audio outputs
- IR remote controller receiver
- 2x touch-screen controller
- Expansion connectors
- JTAG programming connector
- Single +12VDC power supply

logiCRAFT3



logiCRAFT3 Key Features:

- Small form factor 155 x 115 mm (4" x 3")
- Xilinx XC3S250E/500E/1200E FT256-5
- 32MB SDRAM
- 8MB NOR Flash
- Secure Digital (SD) card
- Video output supporting 1 display:
 - Digital RGB
 - CVBS/S-Video PAL/NTSC/SECAM output
 - LVDS transmitter from FPGA
 - Backlight/Contrast adjustment
 - Driver/power supply for one COG display
- Video input block supporting 2 video inputs:
 - 4 CVBS or 2 S-Video PAL/NTSC/SECAM
 - LVDS receiver (FPGA)
 - High-speed LVDS Gbit/s digital transceiver
- Support for versatile networking protocols:
 - CAN
 - Single-wire CAN
 - RS232
 - iPod control interface
 - Interface to external Bluetooth module
- Audio Input/Output block:
 - Audio Codec (ADC/DAC) for 4 stereo channels
 - Microphone input
 - Audio line output
 - Headphones output
 - 2 stereo IR (wireless) audio outputs
- Touch screen controller
- 8-bit GPIO
- Expansion connector
- JTAG programming connector
- Single +12VDC power supply