Design Services Partner Profile

AMD XILINX

Abaco Systems Company Overview

Date : 11/28/2017

www.abaco.com

Partner Details		
Partner Tier:	Member	
Headquarters Location:	800 Redstone Parkway,Huntsville,AL,USA	
Xilinx Alliance Partner Since:	1/17/2008	

Key Contact Info

Nastacia Chapman
nastacia.chapman@abaco.com

Regions Served

Supported Product Types					
Yes	Design Services		No	Embedded Products	
No	IP		Yes	EDA Tools	
Yes	Boards				

Engineering Service Types			
Yes	General Purpose Services	
Yes	Services in Support of Products Sold	Preferred
No	Services Leading to Contract Manufacturing	
Maximum Service Scope:	Turnkey / full product design	

Engagement Models Supported			
Yes	SOW-Based Fixed Bid Projects	Preferred
Yes	Time and Materials	
None	Captive Resources at Partner or Customer Premises	

Xilinx Design Tool Experience				
Yes	Vivado	No	SDSoC
Yes	HLx	Yes	SDAccel

Industry Certifications Achieved   AS 9100, ISO 9001

Industry Certification Services Offered

Government Clearances   n/a

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AMD XILINX

Abaco Systems Segment and Application Focus

Primary Focus	**Defense/Aerospace**	Primary Focus	Homeland Security
		Primary Focus	Electronic Warfare
		Primary Focus	ISR
		No Focus	Space
		Secondary Focus	Missiles & Munitions
		Primary Focus	Military Avionics
		Secondary Focus	Commercial Avionics
		No Focus	SatComm
		No Focus	Wireless Milcom
		No Focus	Other A&D

No Focus	**Audio, Video, Broadcast**	No Focus	Encoders & Decoders
		No Focus	Monitors & Projection
		No Focus	Networking & Converters
		No Focus	Audio Systems
		No Focus	Video Processing Cards
		No Focus	Video Conferencing
		No Focus	Routers and Switches
		No Focus	Pro Cameras & Camcorders
		No Focus	Other Broadcast

No Focus	**Automotive & Transport**	No Focus	Driver Assist - Camera
		No Focus	Driver Assist Radar/LIDAR
		No Focus	Driver Info/Infotainment
		No Focus	Automated Driving
		No Focus	Other Automotive

No Focus	**Consumer**	No Focus	Digital Display
		No Focus	Drones
		No Focus	Multifunction Printers
		No Focus	Other Consumer

No Focus	**Datacenter**	No Focus	Storage
		No Focus	Compute
		No Focus	Networking

Secondary Focus	**Industrial, Medical**	No Focus	Motor Control
		No Focus	Industrial Networking
		No Focus	Surveillance
		No Focus	Machine Vision
		Secondary Focus	Medical Imaging
		Secondary Focus	Medical / Clinical
		Secondary Focus	Other ISM

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AMD XILINX

Abaco Systems Segment and Application Focus (continued)

Primary Focus	**Test & Measurement**	Secondary Focus	Simulation / Emulation
		No Focus	T & M Instrumentation
		Primary Focus	Semiconductor Test
		No Focus	Wired Communication Test
		No Focus	Wireless Communications Test
		No Focus	Other Test & Measurement

No Focus	**Wired Comms & Networks**	No Focus	Access Equipment
		No Focus	Long Haul/Transport
		No Focus	Wired Mobile Backhaul
		No Focus	OTN
		No Focus	Enterprise Equipment
		No Focus	Ethernet Interlaken Connectivity
		No Focus	Packet Processing
		No Focus	Other Wired Communications

Secondary Focus	**Wireless Comms & Networks**	No Focus	Baseband
		No Focus	Wireless Backhaul
		No Focus	Connectivity & Switching
		No Focus	Radio
		No Focus	Other Wireless

Design Competencies

System Architecture	Primary Focus	System design and integration from benchtop development systems to rugged deployed solutions.
RF and Analog Design	Primary Focus	Our extensive Analog FMC portfolio coupled with our IP core development and Board Support Packages provide adaptable solutions to a range of analog design challenges.
FPGA Design and Integration	Primary Focus	Each of our COTS FPGA boards have a Board Support Package (BSP). Our BSP gives you complete control, flexibility and power to develop solutions for the most demanding DSP applications.
FPGA Timing Closure	Secondary Focus	
FPGA Design Optimization	Secondary Focus	
Signal Integrity Design and Analysis	Primary Focus	
Inhouse or Subcontracted:	Inhouse	
Typical Serial Speed:	10	
PCB Design & Layout	Primary Focus	
Inhouse or Subcontracted:	Inhouse	
Industrial and Mechanical Design	Secondary Focus	Extensive ruggedization and thermal management experience.
Inhouse or Subcontracted:	Both	
Industry Certification and Compliance Testing	Secondary Focus	
Inhouse or Subcontracted:	Subcontracted	
Quality and Reliability Testing	Primary Focus	
Inhouse or Subcontracted:	Both	
Contract Manufacturing	Primary Focus	
Inhouse or Subcontracted:	Subcontracted	
Max Quantities Supported:	1000s	
Digital Signal Processing	Primary Focus	Core Expertise
Experience:	Various	
Embedded Processors	Secondary Focus	
Experience:	Zynq	
Embedded Porting / BSP Extension	Primary Focus	Core Expertise
OS and RTOS Design Experience:	Linux, VxWorks, Windows Embedded	
Embedded Application	Primary Focus	

Design Services Partner Profile

Development

Image Sensor Fusion

Homo or Heterogeneous:

Sensor Types Design Experience:

Computer Vision

Machine Learning

Framework Experience:

Network Model Experience: