

Design Services Partner Profile



INFINETIX Corp Company Overview

Date : 02/15/2024

www.infinetix.com

Partner Details

Partner Tier: Elite Certified
Headquarters Location: 2721 N. Van Marter, Spokane Valley, WA, USA
Xilinx Alliance Partner Since: 2/15/2019

Key Contact Info

Peter Van Doren
pvandoren@infinetix.com

Regions Served

North America Central, North America East, North America West

Supported Product Types

Yes	Design Services	No	Embedded Products
No	IP	No	EDA Tools
No	Boards		

Engineering Service Types

Yes	General Purpose Services	Preferred
Yes	Services in Support of Products Sold	
Yes	Services Leading to Contract Manufacturing	
Maximum Service Scope:		Turnkey / full product design

Engagement Models Supported

Yes	SOW-Based Fixed Bid Projects	
Yes	Time and Materials	Preferred
At my location	Captive Resources at Partner or Customer Premises	

Xilinx Design Tool Experience

Yes	Vivado	Yes	SDSoC
Yes	HLx	Yes	SDAccel

Industry Certifications Achieved

Industry Certification Services Offered

Government Clearances

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INFINETIX Corp Segment and Application Focus

No Focus	<u>Defense/Aerospace</u>	<ul style="list-style-type: none"> No Focus No Focus No Focus No Focus No Focus No Focus No Focus No Focus No Focus No Focus 	<ul style="list-style-type: none"> Homeland Security Electronic Warfare ISR Space Missiles & Munitions Military Avionics Commercial Avionics SatComm Wireless Milcom Other A&D
Secondary Focus	<u>Audio, Video, Broadcast</u>	<ul style="list-style-type: none"> Secondary Focus Secondary Focus Secondary Focus Secondary Focus Secondary Focus Secondary Focus Secondary Focus Secondary Focus Secondary Focus 	<ul style="list-style-type: none"> Encoders & Decoders Monitors & Projection Networking & Converters Audio Systems Video Processing Cards Video Conferencing Routers and Switches Pro Cameras & Camcorders Other Broadcast
Secondary Focus	<u>Automotive & Transport</u>	<ul style="list-style-type: none"> Primary Focus Primary Focus No Focus No Focus Secondary Focus 	<ul style="list-style-type: none"> Driver Assist - Camera Driver Assist Radar/LIDAR Driver Info/Infotainment Automated Driving Other Automotive
Secondary Focus	<u>Consumer</u>	<ul style="list-style-type: none"> Secondary Focus Secondary Focus No Focus Secondary Focus 	<ul style="list-style-type: none"> Digital Display Drones Multifunction Printers Other Consumer
Secondary Focus	<u>Datacenter</u>	<ul style="list-style-type: none"> No Focus No Focus No Focus 	<ul style="list-style-type: none"> Storage Compute Networking
Primary Focus	<u>Industrial, Medical</u>	<ul style="list-style-type: none"> No Focus No Focus No Focus No Focus No Focus No Focus No Focus 	<ul style="list-style-type: none"> Motor Control Industrial Networking Surveillance Machine Vision Medical Imaging Medical / Clinical Other ISM

Design Services Partner Profile



INFINETIX Corp Segment and Application Focus (continued)

Secondary Focus	Test & Measurement	Secondary Focus No Focus Secondary Focus Primary Focus Primary Focus Secondary Focus	Simulation / Emulation T & M Instrumentation Semiconductor Test Wired Communication Test Wireless Communications Test Other Test & Measurement
Primary Focus	Wired Comms & Networks	Primary Focus Secondary Focus Secondary Focus Secondary Focus Secondary Focus Primary Focus Primary Focus	Access Equipment Long Haul/Transport Wired Mobile Backhaul OTN Enterprise Equipment Ethernet Interlaken Connectivity Packet Processing Other Wired Communications
Primary Focus	Wireless Comms & Networks	Primary Focus Secondary Focus Secondary Focus Secondary Focus Primary Focus	Baseband Wireless Backhaul Connectivity & Switching Radio Other Wireless

Design Services Partner Profile



Design Competencies

System Architecture	Secondary Focus	We can aid you through your System Architecture, finding the correct solution for your need.
RF and Analog Design	Secondary Focus	INFINETIX understand the issues and concerns around RF and Analog Designs. We will work with your team and external RF and Analog Experts to achieve an successful design.
FPGA Design and Integration	Primary Focus	We aid you through all steps of the Design and Integration, either as a part of your team, or on our own. Let us know how we can hlep.
FPGA Timing Closure	Primary Focus	Timing closure is pivotal for the success of your design. INFINETIX possesses the expertise to apply proper constraints, and solve problems associated with multiple clocks an asynchronous designs
FPGA Design Optimization	Primary Focus	When resources are at a premium, having experts aid in design optimization is critical. Space, Performance and Power all play a role, and depending on your particular challenges, we can work with you to solve your needs.
Signal Integrity Design and Analysis	No Focus	With high speed designs signal integrity and analysis becomes critical. We can work with you and external experts to make sure the design works the first time.
	Inhouse or Subcontracted: Subcontracted Typical Serial Speed: 10	
PCB Design & Layout	Secondary Focus	We optionally offer PCB Design and Layout services as well. Or we can work with your in house experts or third party experts depending on your needs.
	Inhouse or Subcontracted: Both	
Industrial and Mechanical Design	No Focus	INFINETIX does not offer Industrial or mechanical design services, however we do partner with Johnston Engineering for these services or we can work with your experts.
	Inhouse or Subcontracted: Subcontracted	
Industry Certification and Compliance Testing	No Focus	FCC, FDA, UL, CSA, CE. Compliance testing can be time consuming, and difficult to navigate. Although we do not provide these services directly, with can guide you through the process.
	Inhouse or Subcontracted: Subcontracted	
Quality and Reliability Testing	No Focus	We can guide you through the Quality and Reliability testing. But we are not the experts. We work with outside resources here.
	Inhouse or Subcontracted: Subcontracted	
Contract Manufacturing	Secondary Focus	INFINETIX works with multiple contract manufactures. We can work with your specific CM's and or recommend CM's to meet your needs.
	Inhouse or Subcontracted: Subcontracted Max Quantities Supported: 10,000+	
Digital Signal Processing	Primary Focus	INFINETIX excels in Digital Signal Processing. Translating your Matlab model and efficiently realizing an FPGA solution requires adept professionals skilled in both domains.
	Experience: FIR, IIR, CORDIC, PID,	

Design Services Partner Profile



BiQuad

Embedded Processors	Primary Focus	Our proficiency spans across the spectrum of embedded processors, encompassing all the leading brands. From architectural understanding to practical implementation, we bring comprehensive expertise to your embedded system.
Experience:	ARM, RISC-V, x86, PIC, MSP430	
Embedded Porting / BSP Extension	Primary Focus	With 30 years of embedded development, we have worked with and ported between a wide range of embedded operating systems.
OS and RTOS Design Experience:	Android, FreeRTOS, Linux, Other / Contact Partner, Ubuntu Linux, Windows Embedded, eCOS, uC Linux	
Embedded Application Development	Primary Focus	Our primary focus is on Embedded designs and embedded applications development. Talk to use and see how we can help!
Image Sensor Fusion	Secondary Focus	
Homo or Heterogeneous:	Both	
Sensor Types Design Experience:	Accelerometer, Compass, GPS / Position, Gyro, IR, Inclinator, LIDAR, Other / Contact Partner, Thermal, Tilt, Video (SD, HD)	
Computer Vision	No Focus	We have engaged in computer vision based projects, but we do not claim to be the experts in this realm. If you have computer vision requirements in your FPGA design, we can collaborate to meet your requirements.
Machine Learning	No Focus	Machine learning is an area of interest for INFINETIX. We are not the experts here, but if you are an AI expert, but need assistance in FPGA porting, we can help.
Framework Experience:		
Network Model Experience:		