

Design Services Partner Profile



DesignLinx Hardware Solutions, Inc Company Overview

Date : 02/07/2021

<http://www.designlinxhs.com>

Partner Details

Partner Tier: Premier
Headquarters Location: 47 Technology Way Ste
4e8, Nashua, NH, USA
Xilinx Alliance Partner Since: 2/23/2011

Key Contact Info

Don St. Pierre
dstpierre@designlinxhs.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	
No	Services Leading to Contract Manufacturing	
	Maximum Service Scope: Chip level FPGA / ASIC design	

Engagement Models Supported

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

Xilinx Design Tool Experience

Yes	Vivado	Yes	SDSoC
Yes	HLx	Yes	SDAccel

Industry Certifications Achieved

Other / Contact Partner

Industry Certification Services Offered

DO-254

Government Clearances

ITAR Certification

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DesignLinx Hardware Solutions, Inc Segment and Application Focus

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

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DesignLinx Hardware Solutions, Inc Segment and Application Focus (continued)

Secondary Focus	Test & Measurement	<ul style="list-style-type: none"> Primary Focus No Focus Primary Focus No Focus No Focus No Focus 	<ul style="list-style-type: none"> Simulation / Emulation T & M Instrumentation Semiconductor Test Wired Communication Test Wireless Communications Test Other Test & Measurement
Primary Focus	Wired Comms & Networks	<ul style="list-style-type: none"> No Focus No Focus Primary Focus No Focus No Focus No Focus No Focus No Focus 	<ul style="list-style-type: none"> Access Equipment Long Haul/Transport Wired Mobile Backhaul OTN Enterprise Equipment Ethernet Interlaken Connectivity Packet Processing Other Wired Communications
Secondary Focus	Wireless Comms & Networks	<ul style="list-style-type: none"> No Focus No Focus No Focus No Focus No Focus 	<ul style="list-style-type: none"> Baseband Wireless Backhaul Connectivity & Switching Radio Other Wireless

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Design Competencies

System Architecture	Secondary Focus	Our engineers have industry-level system design experience
RF and Analog Design	Secondary Focus	Subcontracted
FPGA Design and Integration	Primary Focus	Highly experienced - core offering
FPGA Timing Closure	Primary Focus	Highly experienced - Titanium by DesignLinx offering
FPGA Design Optimization	Primary Focus	Highly experienced - Titanium by DesignLinx offering
Signal Integrity Design and Analysis	Secondary Focus	Subcontracted
	Inhouse or Subcontracted: Typical Serial Speed:	Subcontracted
PCB Design & Layout	Secondary Focus	Subcontracted
	Inhouse or Subcontracted:	Subcontracted
Industrial and Mechanical Design	Secondary Focus	Subcontracted
	Inhouse or Subcontracted:	Subcontracted
Industry Certification and Compliance Testing	No Focus	
	Inhouse or Subcontracted:	
Quality and Reliability Testing	Secondary Focus	Subcontracted
	Inhouse or Subcontracted:	Subcontracted
Contract Manufacturing	Secondary Focus	Subcontracted
	Inhouse or Subcontracted:	Subcontracted
	Max Quantities Supported:	None
Digital Signal Processing	Secondary Focus	Highly experienced in working with Matlab and porting DSP Algorithms to HLS flow
	Experience:	FPGA based solutions
Embedded Processors	Primary Focus	Highly experienced in processor based systems utilizing Xilinx peripherals and custom peripherals to address customer requirements
	Experience:	Versal, Zynq

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UltraScale+,
Zynq,
MicroBlaze

Embedded Porting / BSP Extension	Primary Focus	Experienced with both SMP and AMP applications and development of custom drivers and software
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OS and RTOS Design Experience: FreeRTOS, Linux, Ubuntu Linux, VxWorks, Xen, XilKernel, uC/OS, uC/OS-II

Embedded Application Development	Primary Focus	Developed systems for wide variety of markets including: Mil/Aero, Medical, Industrial, Commercial, AVB, etc.
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Image Sensor Fusion

Homo or Heterogeneous:

Sensor Types Design Experience:

Computer Vision	Primary Focus
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Machine Learning	Primary Focus
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Framework Experience:

Network Model Experience:
