

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 IP No Boards	No Embedded Products No EDA Tools
Engineering Service Types	Yes General Purpose Services Yes Services in Support of Products Sold No Services Leading to Contract Manufacturing Maximum Service Scope: Chip level FPGA / ASIC design	Preferred
Engagement Models Supported	Yes SOW-Based Fixed Bid Projects Yes Time and Materials Both Captive Resources at Partner or Customer Premises	Preferred
Xilinx Design Tool Experience	Yes Vivado Yes HLx	Yes SDSoc 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

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.

Image Sensor Fusion

Homo or Heterogeneous:

Sensor Types Design Experience:

Computer Vision

Primary Focus

Machine Learning

Primary Focus

Framework Experience:

Network Model Experience:
