

# Design Services Partner Profile



## Design Gateway Co., Ltd. Company Overview

Date : 03/20/2023

www.design-gateway.com

### Partner Details

Partner Tier: Elite Certified  
Headquarters Location: 89/26 Amornpan 205 Tower1, 18th floor,  
Nathong Alley, Din Daeng, Bangkok, Thailand  
Xilinx Alliance Partner Since: 3/4/2013

### Key Contact Info

Phunjapa Ruengsinsub  
phunjapa@design-gateway.com

### Regions Served

APAC, Central and South America,  
Eastern Europe and Russia, Japan,  
Middle East, North America Central

### Supported Product Types

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

### Engineering Service Types

Yes	General Purpose Services	
Yes	Services in Support of Products Sold	Preferred
Yes	Services Leading to Contract Manufacturing	
	Maximum Service Scope: Chip level FPGA / ASIC design	

### Engagement Models Supported

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

### Xilinx Design Tool Experience

Yes	Vivado	No	SDSoC
No	HLx	No	SDAccel

### Industry Certifications Achieved

Industry Certification Services Offered CE, FCC

### Government Clearances

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## Design Gateway Co., Ltd. Segment and Application Focus

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

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## Design Gateway Co., Ltd. Segment and Application Focus (continued)

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

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## Design Competencies

<b>System Architecture</b>	No Focus	
<b>RF and Analog Design</b>	No Focus	
<b>FPGA Design and Integration</b>	Primary Focus	Design Gateway Co., Ltd. specializes in IP cores for high performance and low resources usage solutions in data storage, networking and security fields on FPGA such as NVMe, SATA, TCP/IP, UDP/IP, EMAC, AES, SHA and tCAM.
<b>FPGA Timing Closure</b>	No Focus	
<b>FPGA Design Optimization</b>	Primary Focus	Customization support for DG's IP Core
<b>Signal Integrity Design and Analysis</b>	No Focus	
	Inhouse or Subcontracted:	
	Typical Serial Speed:	0
<b>PCB Design &amp; Layout</b>	Primary Focus	Design schematic, PCB, assembly then test and debug board to prove interface correctly.
	Inhouse or Subcontracted:	
<b>Industrial and Mechanical Design</b>	No Focus	
	Inhouse or Subcontracted:	
<b>Industry Certification and Compliance Testing</b>	No Focus	
	Inhouse or Subcontracted:	
<b>Quality and Reliability Testing</b>	No Focus	
	Inhouse or Subcontracted:	
<b>Contract Manufacturing</b>	No Focus	
	Inhouse or Subcontracted:	
	Max Quantities Supported:	
<b>Digital Signal Processing</b>	No Focus	
	<b>Experience:</b>	
<b>Embedded Processors</b>	No Focus	
	<b>Experience:</b>	
<b>Embedded Porting / BSP Extension</b>	No Focus	
	OS and RTOS Design Experience:	
<b>Embedded Application</b>	No Focus	

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## Development

### Image Sensor Fusion

Homo or Heterogeneous:

Sensor Types Design Experience:

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### Computer Vision

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### Machine Learning

Framework Experience:

Network Model Experience:

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