

Design Services Partner Profile



VVDN Technologies Pvt. Ltd. Company Overview

Date : 03/15/2024

<http://www.vvndtech.com/>

Partner Details

Partner Tier: Elite
Headquarters Location: B-22, Infocity Sector-34,Gurgaon,
Haryana,,India
Xilinx Alliance Partner Since: 3/18/2016

Key Contact Info

Saurav Gupta
saurav.gupta@vvndtech.com

Regions Served

APAC, Japan, Middle East, North
America Central, North America East,
North America West, Western Europe

Supported Product Types

Yes	Design Services	Yes	Embedded Products
No	IP	No	EDA Tools
No	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: System level 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
Yes	HLx	No	SDAccel

Industry Certifications Achieved

AS 9100, ISO 13485, ISO 14001, ISO 27001,
ISO 9001

Industry Certification Services Offered

CE, FCC, UL

Government Clearances

Design Services Partner Profile



VVDN Technologies Pvt. Ltd. Segment and Application Focus

Secondary Focus	Defense/Aerospace	<ul style="list-style-type: none"> No Focus No Focus Primary 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
Primary Focus	Audio, Video, Broadcast	<ul style="list-style-type: none"> Secondary Focus Primary Focus Primary Focus Secondary Focus Secondary Focus Secondary Focus Primary Focus Primary 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
Secondary Focus	Automotive & Transport	<ul style="list-style-type: none"> Primary 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"> Primary Focus No Focus Secondary Focus No Focus 	<ul style="list-style-type: none"> Digital Display Drones Multifunction Printers Other Consumer
No Focus	Datacenter	<ul style="list-style-type: none"> No Focus No Focus No Focus 	<ul style="list-style-type: none"> Storage Compute Networking
Secondary Focus	Industrial, Medical	<ul style="list-style-type: none"> Primary Focus No Focus Primary Focus Secondary Focus No Focus Secondary 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



VVDN Technologies Pvt. Ltd. Segment and Application Focus (continued)

Secondary Focus	Test & Measurement	<ul style="list-style-type: none"> Primary Focus No Focus No 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 No 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

Design Services Partner Profile



Design Competencies

System Architecture	Primary Focus	NVMe System design, Audio Video, 4G/5G Radio Unit Design, Wi-Fi 6 Designs
RF and Analog Design	Primary Focus	SDN, SDR, RF SoC for 5G RUs
FPGA Design and Integration	Primary Focus	MiPi Controller, HDMI System Integration, Motor Control
FPGA Timing Closure	Primary Focus	Support in timing closure
FPGA Design Optimization	Secondary Focus	
Signal Integrity Design and Analysis	Secondary Focus	
	Inhouse or Subcontracted:	Inhouse
	Typical Serial Speed:	40
PCB Design & Layout	Secondary Focus	
	Inhouse or Subcontracted:	Inhouse
Industrial and Mechanical Design	Secondary Focus	
	Inhouse or Subcontracted:	Inhouse
Industry Certification and Compliance Testing	Secondary Focus	
	Inhouse or Subcontracted:	Both
Quality and Reliability Testing	Secondary Focus	
	Inhouse or Subcontracted:	Inhouse
Contract Manufacturing	Primary Focus	
	Inhouse or Subcontracted:	Inhouse
	Max Quantities Supported:	10,000+
Digital Signal Processing	Primary Focus	
	Experience:	DM8168,DM365,APQ8096,APQ8084
Embedded Processors	Primary Focus	Zynq Ultrascale MPSoC and RFSoc

Design Services Partner Profile



Experience: DM8168,DM365,APQ8096,APQ8084,I.MX6,LS2080,Zynq7000

Embedded Porting / BSP Extension	Primary Focus	
OS and RTOS Design Experience:	Android, Linux	
Embedded Application Development	Primary Focus	Petalinux, Vitis
Image Sensor Fusion	No Focus	
Homo or Heterogeneous:		
Sensor Types Design Experience:		
Computer Vision	Secondary Focus	Machine Vision Camera, AI Surveillance Cameras, Airborne Separation high-speed camera
Machine Learning	Secondary Focus	Smart city {croud detection, traffic monitoring, face detection} Retail applications { label tampering, theft detection},
Framework Experience:	TensorFlow	
Network Model Experience:	ResNet, SSD	
