



The Low Power Programmable Leader

## Lattice Portfolio Overview

September 2024

Smallest  
**SIZE**



Lowest  
**POWER**



Highest  
**SECURITY**



**RELIABLE**  
by Design



**EASE**  
of Use



# Positioned in Growing Markets

## DATACENTER



Servers  
Storage

## COMMUNICATIONS



5G Wireless  
Switches/Routers

## INDUSTRIAL



Industrial IoT  
Factory Automation

## AUTOMOTIVE



ADAS  
Infotainment

## CLIENT



Notebooks/PCs  
Tablets

**Leading the Industry in Low Power Programmability**

# LATTICE FPGA PORTFOLIO

## MID-RANGE FPGAs



Edge Optimized



General Purpose



Advanced connectivity

## SMALL FPGAs



Control & Security

Advanced Control & Security



Ultra-low Power



Video Connectivity

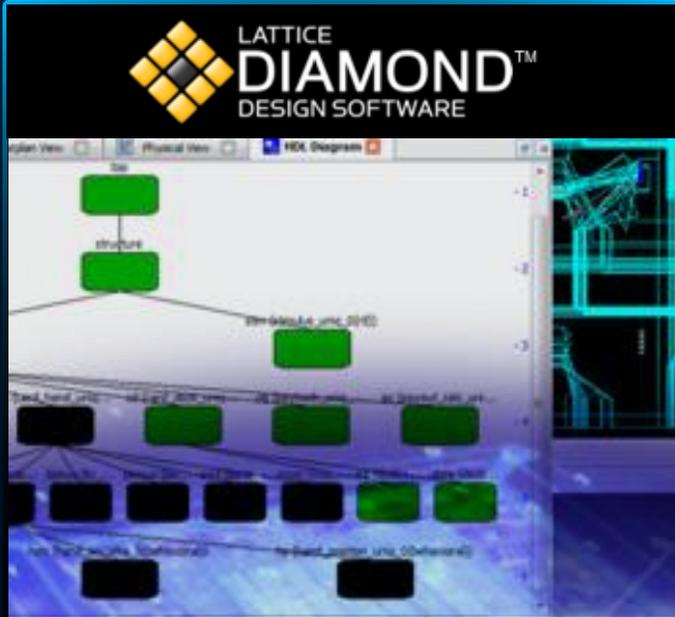


General Purpose



New Small  
FPGA  
Platform

# Easy-to-use Software



## Powerful FPGA Design & Verification Environment

Easy Design Exploration

Easy to Use Powerful Tools

Optimized for Lattice Devices

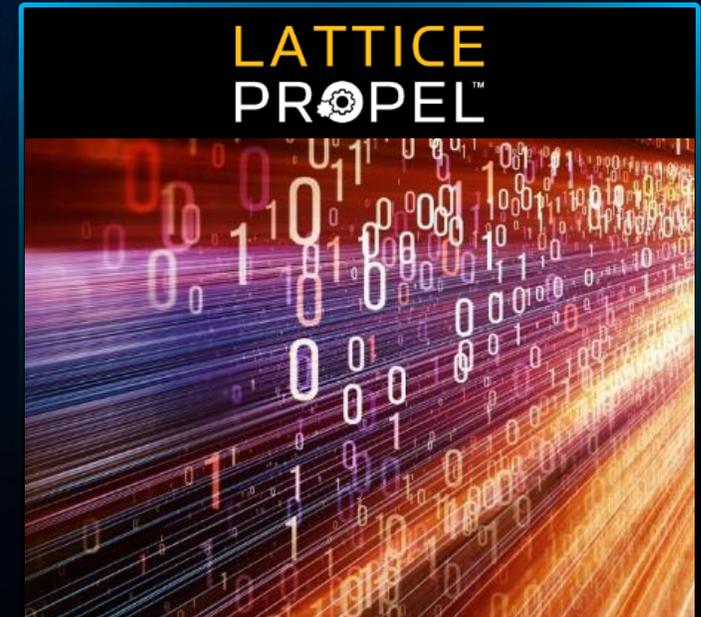


## Best-in-class, Easy-to-use Design Software

Simplified Flow for Faster Design

Increase Re-use with IP Tools

Leading Synthesis & Simulation



## Complete Toolset for Embedded System Design

IP System Integration Environment

Software Development Kit & Libraries

Build, Compile, Analyze, Debug

# Solution Stacks



Low power edge AI



Accelerating factory automation



Low power embedded vision



Enabling ORAN deployment



Cyber resilient root of trust



Adaptable automotive design

# Software Solution Stack Portfolio

LATTICE  
*sensAI*™



Low Power  
Edge AI

High Performance  
Inferencing Under 1W

Supports Industry Standard  
ML Frameworks

Complete Solution  
Enablement

LATTICE  
mVISION™



Low Power  
Embedded Vision

Flexible Image Sensor  
Bridging & Aggregation

Image Processing  
Integration

Complete Solution  
Enablement

LATTICE  
Sentro™



Cyber Resilient  
Root of Trust

Secure Hardware Creates  
Root-of-Trust for Systems

Cryptographically Secured  
Supply Chain

Protection Against Cloning,  
Counterfeiting, Trojan  
Insertion,  
& Simulation

LATTICE  
Automate™



Accelerating Factory  
Automation

Accelerates industrial  
automation development

Supports use cases like  
motor control, real-time  
networking, & predictive  
maintenance

Complete solution  
enablement

LATTICE  
ORAN™



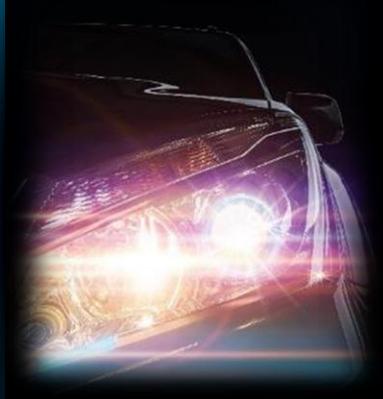
Enabling ORAN  
Deployment

Enables zero trust security  
and data protection in  
networks

Flexible, Tight Fronthaul  
Synchronization

Acceleration with Low  
Power

LATTICE  
Drive™



Adaptable  
Automotive Design

DisplayPort connectivity

Video scaling up to 4K

Local dimming for contrast  
enhancement

Bridging & networking

# More Resources Available

## Sales Resources

- Sales Toolbox – Presentations by marketing team for customers
- Channel Partners – Resources for Distribution Channel

## Lattice Insights On-demand Trainings

- General Purpose Product Line Overview (54 Min)
- Video Connectivity Product Line Overview (21 Min)
- Ultra Low Power Product Line Overview (29 Min)
- Control and Security Product Line Overview (21 Min)
- An Insight to Lattice Solution Stack (15 Min)



## FPGA Products

- Reference Design
- Example Use Cases
- Documentation

## Software Tools and Solutions

- Reference Design
- Example Use Cases
- Documentation