



Embedded Processing QuickStart!

Get your design off to the right start.

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More than ever, designers are being asked to reduce system costs, reduce power consumption, and meet aggressive design schedules. With QuickStart!, Xilinx helps you meet these challenges with an unprecedented level of on-site support and training.

QuickStart! is available for a wide range of technologies, including embedded systems, PlanAhead™ software floorplanning, timing optimization, multi-gigabit transceivers, and PCIe integration.

QuickStart! provides you with the accelerated ramp-up time you need to go to market faster. QuickStart! ensures that you will have a more knowledgeable team – one that is capable of executing better designs, lowering overall costs, and enhancing your competitive edge.

What is QuickStart!?

QuickStart! supplies you with an engineer at your site for one week. The Xilinx expert will train and empower your team to complete your project on time and on budget, while ensuring you make the best use of your Xilinx device.

QuickStart deliverables include:

- A customized, two-day, on-site, technology-specific course
- Three days of consulting from a senior applications engineer
- Expert advice on design architecture and implementation optimization

Two-Day Customized Course: Embedded Systems Development

Customers engaged in an embedded design will receive the Xilinx Embedded Systems Development course.

This course gives you a better understanding of how to develop a PowerPC and MicroBlaze™ processor embedded system

by using the Embedded Development Kit (EDK). This course provides hands-on labs regarding the development, debugging, and simulation of the embedded system. Labs provide you with a choice of targeting either PowerPC or MicroBlaze processor systems.

Note that QuickStart! is available for projects beyond embedded processing. Please see Table 1 for details about our additional offerings.

Three Days of Consulting: Deliverables

- Configuration of the Xilinx design environment
- Set up and customization of EDK software
- Design architecture and implementation consultation and guidance
- System partitioning consultation
- Advice on using of advanced features and capabilities of the Xilinx MicroBlaze processor and PowerPC processor

How You Benefit

- Shortened ramp-up times by learning essential design and debugging techniques
- Empowered hardware teams through coaching on software-based optimized systems
- Maximum performance gained from understanding advanced and proven FPGA design techniques
- Minimized design risks acquired by using the finest expert advice

Titanium Dedicated Engineering

Titanium Dedicated Engineering provides a senior engineer on-site similar to QuickStart! However, Titanium allows for longer engagements (more than one week) and does not include a training class. For more information, visit www.xilinx.com/titanium.

Take the Next Step

Get your next Xilinx design off to the right start with QuickStart! To learn more, visit www.xilinx.com/quickstart.

Type	Course	Specific Features
Embedded	Embedded Systems Development	Design environment configuration EDK software customization Design architecture consultation System partitioning guidance MicroBlaze / Power PC processor optimization
PlanAhead Software	Designing with PlanAhead Software	PlanAhead software design environment configuration Floorplanning implementation consultation Synthesis and project tips Design and performance-improving analysis
Timing Optimization	Designing for Performance	Proper constraining techniques Best-known HDL coding methods Timing optimization reviews Debugging techniques demonstrations
MGT	Designing with MGTs	MGT ports and attributes education Advanced features utilization Configuration methods Simulation and implementation flows
PCIe Integration	Designing with MGTs	Migrating Virtex-II/Virtex-4 software designs Advanced timing closure Evaluating design requirements

Table 1 – QuickStart engagement types