Qt Group

RZ Ecosystem Partner Solution

Qt Creator

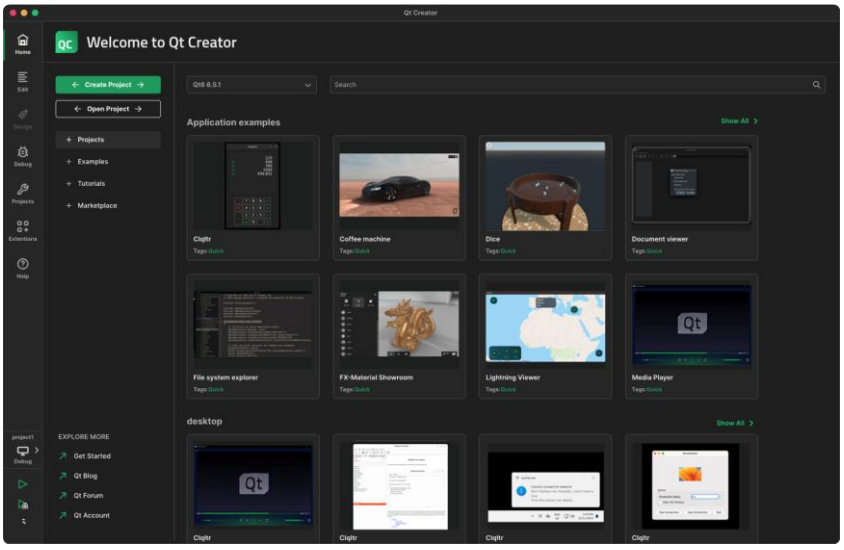
Solution Summary

Develop a single cross-platform codebase using one integrated toolset. With a comprehensive library suite covering UI development, business logic, and machine-to-machine communication, you can write less code, faster - thanks to an extensible IDE and intuitive APIs. Robust, well-tested libraries help enhance code quality, minimize your codebase, reduce testing efforts, and enable visual debugging for greater stability. Currently available for RZ/G2L and RZ/G3E with support for 3D graphics, webcams, and multimedia - and expanding to other RZ Family MPUs.

Features/Benefits

- Qt Framework with ready-made, cross-platform libraries and Qt Design Studio Professional for fast UI design
- Qt Creator IDE supports C++, QML, JavaScript, Python, and more
- Native code compilation for performance, IP protection, and emulator-based debugging
- Integrates to preferred version control systems and with GitHub Copilot
- Visual performance analyzer to spot CPU and RAM bottlenecks
- Boot to Qt enables rapid start-up on RZ/G2L and RZ/G3E

Diagrams/Graphics



Included Developer Tools:

Creator IDE	Visual Studio tools
Design Studio Professional	Compilers
Configuration tools	Debugging tools
Deployment tools	Localization and i8n tools
QML Live	Profiling tools
Python Wizard	Script Compilers

Target Markets and Applications

- All HMI segments
- Smart home
- Building automation
- Industrial automation
- Instrument panels
- Infotainment
- Medical
- Safety critical environments

www.qt.io/partners/renesas

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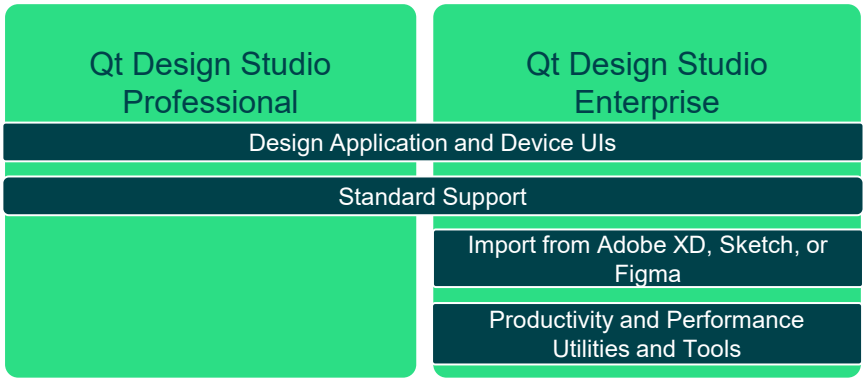
Increase productivity through the entire product development lifecycle - from UI design and software development to quality management and deployment: [Qt Group - The Future of Digital Experiences]

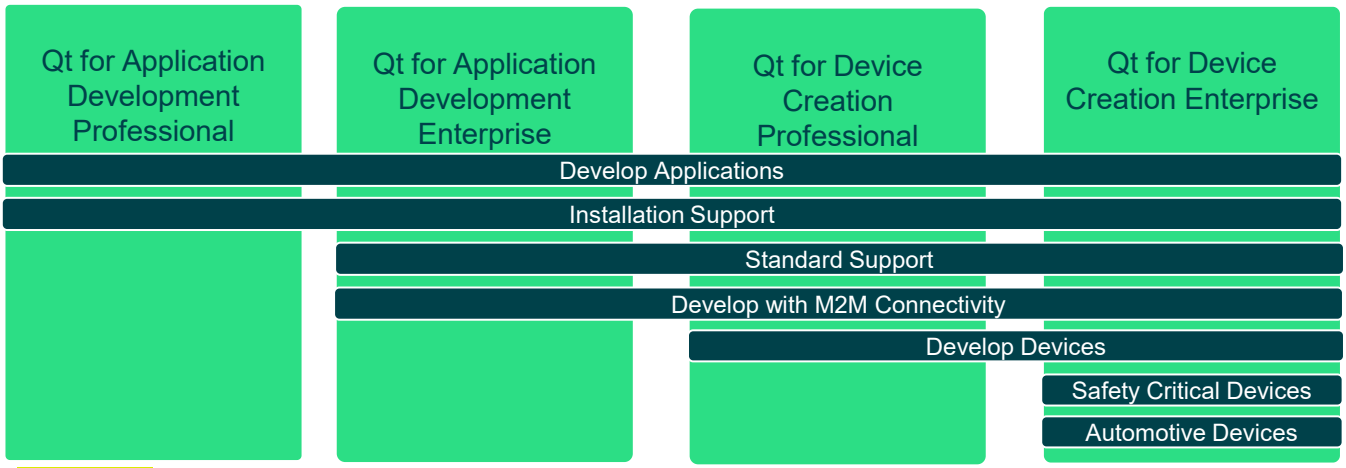
Design

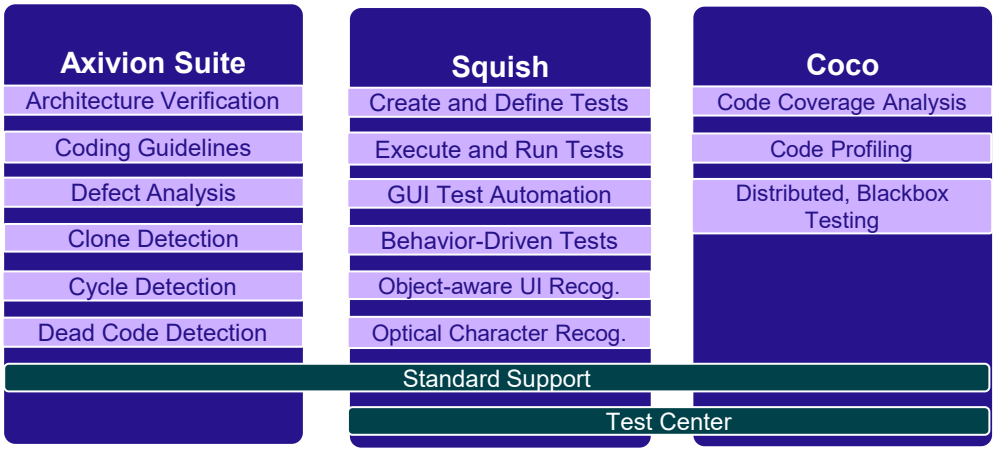
Bring designs to life with Qt tools for designers, technical artists, and front-end developers.



Develop

The Qt Framework and Qt's extensive development tools provide everything necessary for developing and deploying entire product lines.



Qualify

The Qt quality assurance tools ensure the quality of all cross-platform desktop, mobile, embedded, and web applications regardless of the platform used.