

PEGPR: PEG Pro Runtime ☆

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Overview

PEG Pro offers developers of embedded graphical user interfaces a proven software solution for creating complex, high color-depth embedded graphic applications. Designed specifically for use in the development of GUI applications in automotive, consumer electronics, infotainment and medical devices, PEG Pro runs on a wide variety of real-time operating systems and microprocessors.

PEG Pro is the most feature rich version of the PEG graphics software family implementing true anti-aliasing, gradient fills, and transparency effects. Written with the embedded market firmly in mind, PEG Pro was architected such that of every feature provided a balance of code size and performance requirements.

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Freescale PEG Software Product Line (GUI) Block Diagram

PEG Graphics Suite Comparison			
	PEG Lite	PEG Plus	PEG Pro
	Free on Freescale 5 Year, then 17 Year, license. Set of predefined elements	Customizable GUI Widgets. Full Set of Predefined Elements	Aggressive GUI, 65K Color. Customizable GUI Widgets. Full Set of Predefined Elements
Color Depth	Maximum to 8-bit High Color	Maximum to 16-bit True Color	Maximum to 65K True Color with Anti-Alias
Custom Element Elements	Buttons and Images	... plus Widgets and Animations	... plus Widgets and Animations
Predefined Widgets	Text Editor, Check Box, Radio, Progress Bar, Slider, Dial, Scroll, Combo Box, plus, Windows, Charts, Bonehatched, Tabbed, Tabbed, Slider, and Scroll Bars, plus, Double Buffer and Transparency Effects
Multilingual Support	Full Support	Full Support	Full Support
Anti-Aliasing	None	Simple Anti-Aliasing	Full Anti-Aliasing
Window Builder	None	Full WYSIWYG editor with integrated font color and image converter	Full WYSIWYG editor with integrated font color and image converter
Additional Features	None	Multi-Threaded GUI, Full On-Screen Drawing	... plus, Double Buffer and Transparency Effects
Starting Cost (not including license)	FREE or Freescale \$100K	\$7,000	\$7,500

Features

- Supports 65K high color to 16.7M true color displays
- Supports custom bitmap based buttons, images, widgets, and animation
- Provides a complete set of widgets, such as: text buttons, checkboxes, radio buttons, progress bars, sliders, dials, scrollbars, charts, spreadsheets, tabs, menus, ...
- Features full anti-aliasing, color gradient widgets, transparency effects, and alpha blending
- Supports development of multilingual interfaces
- Supports runtime selectable themes/skins
- Supports runtime image decoding of popular formats
- Includes the Window Builder development tool, as WYSIWYG editor and code generator with integrated image converter and font creator

Support Policy

PEG Pro includes an initial 12-month support. Support provides technical support from PEG Software engineers and access to additional releases and patches. Additional support options exist for custom driver development and professional engineering services, please contact pegsales@freescale.com for additional details.

Kit Contains

- Window Builder Development Tool
- Full PEG Source Code
- Example Screen, RTOS, and Input drivers
- API Reference Manual, Programming Manual, Getting Started Guides

PEG Pro Options

Development License - This licensing level allows the developed runtime application to be deployed on up to 10K of a single end product. The 10K runtime deployment is a lifetime allotment with no additional royalties. (Limited Runtime License for a Single Product)

Production Buyout License for a Single Product - This licensing level allows the developed runtime application to be deployed on an unlimited number of a single end product. The unlimited runtime deployment does not expire and there are no additional royalties. (Unlimited Runtime License for a Single Product)

Unlimited Production Buyout License - This licensing level allows the developed runtime application to be deployed on an unlimited number of products from a single product family based on similar architecture without being restricted to a common MCU. The unlimited runtime deployment does not expire and there are no additional royalties. (Unlimited Runtime License for an Extended Family)

[\(Preview EULA\)](#)