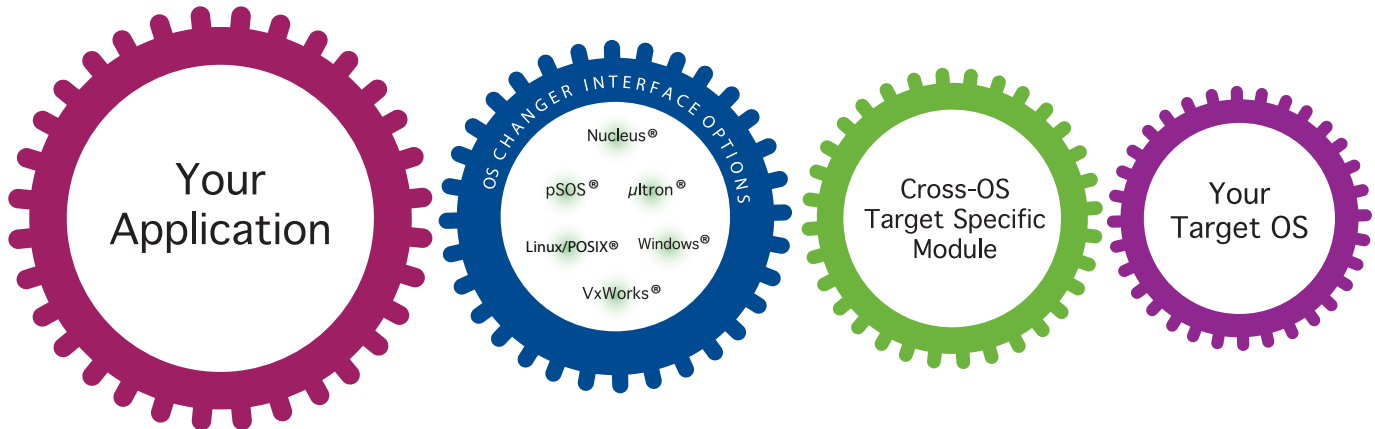


# OSCHANGER® PORTING KIT

## Overview Datasheet

OS Changer is a C/C++ source-level virtualization technology that allows you to easily re-use your software developed for VxWorks, pSOS, Linux/POSIX, Windows, Nucleus and  $\mu$ ITRON on another OS, while providing real-time performance. It eliminates the manual porting effort, saves money and shortens the time to market. The appropriate OS Changer Interface connects to your existing application that was developed on your current OS while the Cross-OS Target Specific Module (specific to your target OS) provides the connection to the OS you are moving to.



## WHY CHANGE YOUR OS?

- Switch to an OS that offers support for your next generation hardware
- Switch to an OS that is more economical and/or requires no royalty payments
- Switch to an OS that is free and open-source
- Switch to an OS that provides better development tools
- Switch to an OS that offers a wide range of driver, protocol and middleware support
- Switch to an OS that offers you better performance and a smaller memory foot print
- Switch to an OS that meets your required certification standards

## AVAILABLE PORTING KITS AND SUPPORTED TARGET OPERATING SYSTEMS

OS Changer Porting Kits are available for installation on either Windows or Linux host platforms. Based on your application, please select the appropriate porting kit below and refer to the corresponding technical datasheet. If your applications needs access to more than one type of API set, please refer to the OS Abstractor Development Kit.

VxWorks Porting Kit

pSOS Porting Kit

Linux/POSIX Porting Kit

$\mu$ ITRON Porting Kit

Nucleus Porting Kit

Windows Porting Kit

Below are the Target Operating Systems supported by the OS Changer Porting Kits:

Android®

Linux® 2.4/2.6

LynxOS®

LynxOS-SE®

$\mu$ ITRON®

MQX®

NetBSD®

Nucleus®

QNX® Neutrino® RTOS

RT Linux®

Solaris®

ThreadX®

T-Kernel®

$\mu$ C/OS III®

Unix®

VxWorks® 6x/5x

Windows® XP/Vista/7/CE

# OSCHANGER® PORTING KIT

## Overview Datasheet



### FREEDOM

Don't confine your code to one platform



### PROTECTION

Protect software investment



### STABILITY

Robust and optimized platform

## WHY OS CHANGER?

- Protect your existing software investment now and in the future
- Reduce the learning curve on a new OS by developing with the familiar APIs of your current OS
- Capture new markets by extending the support of your product to include many different operating systems
- OS Changer is provided in full source code with no royalty fees
- OS Changer enhances the robustness and performance of your application with advanced real-time features and supports a wide variety of target and host OS platforms

## OS CHANGER PORTING KIT CONTENTS

- One OS Changer Interface for the OS you are moving from
- Cross-OS Target Specific Module for the target OS you are porting to
- Library Package Generator
  - > Full source code of the OS Changer Interface and Cross-OS Target Specific Module for your target platform
  - > Full libraries of the OS Changer Interface and Cross-OS Target Specific Module for your host platform (Windows or Linux)
  - > Sample demo applications for reference
  - > Project build files for supported tools & IDEs for your target environment
- Optimized Target Code Generator
  - > Generates the OS Changer Porting Interface and Cross-OS Target Specific Module source code, specifically optimized for your application and target environment
  - > Creates project files for your target IDE
  - > Includes the system settings you chose in the GUI-based Wizard
- OS Simulator for your chosen OS Changer Interface for host development/simulation
- Profiler to view performance data regarding your application and platform and to generate timing reports