for NXP P60-Step-Up!



Overview

Ashling provides a range of tools designed for debugging, program-execution analysis, optimisation and validation of applications running on NXP contact and contactless SmartMX2 smart card controllers.



SmartICE-XPK for P60-Step-Up!

- High Performance SmartICE hardware emulator
- Real-Time Trigger and Trace System
- Code Coverage Analysis
- Performance Analysis Code Execution Analysis
- Use with Keil µVision debugger or PathFinder source-level debugger



SmartICE

SmartICE is Ashling's USB2.0 based real-time emulator for NXP SmartMX devices

> See separate datasheet for details on SmartICE tools available in three options -PK, -EPK, -XPK

Performance Analysis Features

The SmartICE Performance Analysis system allows you to monitor software execution in real time non-intrusively. It enables you to be sure of software performance and identify program 'hot-spots' for performance optimisation. Note: SmartICE Performance Analysis option is available only for P60-Step-Up!

- Analyse Code Execution
 - Real-Time Non-Intrusive Analysis
 - Supports measurement of up to 32,768 functions / modules / code ranges
 - Continuous measurement for up to 360 hours
 - 10ns timing resolution
- For Modules, Functions and Custom Address Ranges measure
 - Accumulated execution time
 - Maximum execution time
 - Minimum execution time
 - Average execution time
 - Accumulated count
- Log Results
 - Results are presented dynamically on screen and in XML, CSV and text file format reports

