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

### Overview

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