OVERVIEW

The complimentary S32 Design Studio IDE for Automotive and Ultra-Reliable MCUs enables editing, compiling and debugging of designs. Based on open-source software, including Eclipse IDE, GNU Compiler Collection (GCC) and GNU Debugger (GDB), the S32 Design Studio IDE offers designers a straightforward development tool with no code-size limitations. NXP software included along with the S32 Design Studio IDE completes the comprehensive enablement environment and reduces development time.

FEATURES

- Complimentary, unlimited code size IDE
- Advanced FreeRTOS kernel aware debug support
- Peripherals Register View
- New Project wizard to create bare metal or Software Development Kit (SDK) projects
- Example projects
- Supports Eclipse plug-ins from the Eclipse eco-system or from partners
- Languages supported:
  - Assembly, C and C++
- Supported host operating systems:
  - Microsoft Windows® 7/8/10 with 32-bit binaries running on 32-bit and 64-bit OS
  - Ubuntu 14.04, 16.04 (64 bit)
  - Debian 8 (64 bit)
  - CentOS 7 (64 bit)

S32 Design Studio IDE Integrated Development Platform
For Automotive and Ultra-Reliable Microcontrollers

Comprehensive enablement environment for automotive and industrial applications

S32 DESIGN STUDIO IDE BLOCK DIAGRAM

- Basic GCC Compiler
- Basic GNU Debugger
- S32 Design Studio IDE
- Premium Debugger Support
- Initialization Tool
- FreeMASTER Tool
- MCAT Tool
- Bootloader
- Software Integration
### S32DS IDE DIFFERENCES TABLE

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**Figure 1** Project View showing SPT graph

**Figure 2** Debug View

**GET STARTED**

Download now: [www.nxp.com/s32ds](http://www.nxp.com/s32ds)

Join the S32DS community: [https://community.nxp.com/community/s32/s32ds](https://community.nxp.com/community/s32/s32ds)

For more information about S32 Design Studio IDE and other featured IDEs, please visit [www.nxp.com/S32DS](http://www.nxp.com/S32DS)