

Renesas Ready Ecosystem Partner Solution SMH FlashRunner High-Speed



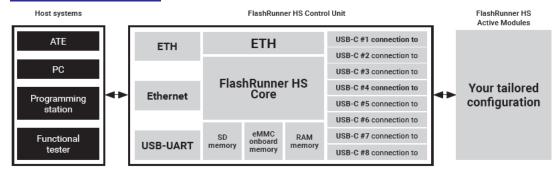
Solution Summary

FlashRunner High-Speed is a universal parallel In-System Programmer supporting up to 32 targets in parallel. FlashRunner High-Speed combines high-level programming performances and high modularity to deliver a multi-end programming solution. The Control Unit is the central management coordinating different technologies for each peripheral Active Module. Support is available for the RA Family, RX Family and RL78 Family.

Features/Benefits

- Supports wide range of Renesas products
- LAN and USB connection and control:
 - User-friendly GUI
 - SDK/API: DLL in C/C++ and C#
 - Command Line control
- Standalone control
- Data protection with user's firmware encryption
- Device's security features supported
- Dynamic memory: change firmware content dynamically for, i.e., serial numbering
- Board supply voltage and current up to 12 V and 200 mA
- Big size memories high data transfer rate

Diagrams/Graphics



Target Markets and Applications

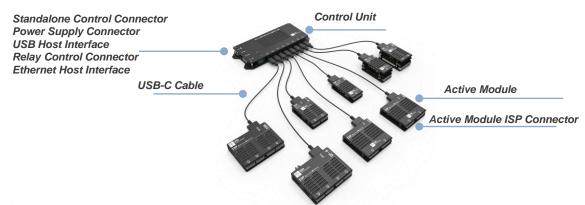
Automotive

- White Goods
- Industry 4.0

- In-System Programming
- Smart Sensors



UNIVERSAL PRODUCTION IN-SYSTEM PROGRAMMING





High Speed: up to 80 MHz of communication frequency



Universal: BDM, JTAG, SWD, UART, FINE, CSI, I2C, SPI, ICSP, eMMC ...



Parallel: different devices, communication protocols and source files in parallel. Dedicated Active Module for NAND, eMMC, OCTO-SPI memories ...



Industrial: meant for Industrial production with high volumes. Active Modules available with Relay Barrier for integration.



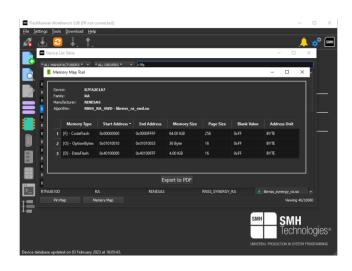
12000 devices supported: always increasing



Compact: Control Unit 170x83x19 mm 8 channels, eMMC Active Module 67x32x15 mm General Purpose Active Module 66x80x16 mm 4 channels, USB-C up to 3 m



Graphical User Interface to control FlashRunner High Speed Technology





CONTROL & PRODUCTION

- Programming times
- Connections
- Memory Maps



COMMAND

- Project Wizard and Execution
- File Transfer Manager
- System Update



SECURITY

- Firmware Encryption
- User Management
- Dump and Read

Contact SMH distributors