

Renesas Ready Ecosystem Partner Solution **SMH Bsmart**

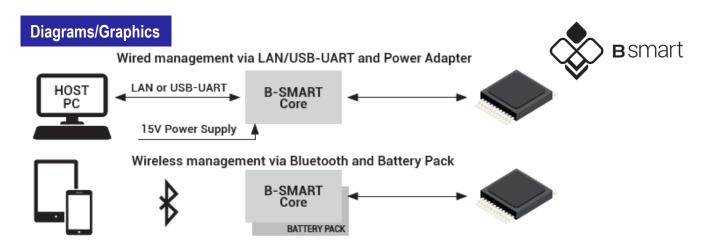


Solution Summary

Bsmart is a single-site In-System Programmer. It can work with USB, LAN or Bluetooth connection. Graphical User Interface for easy usage. Thanks to its compact size, it is a true-portable solution to operate on a target device during post-production or post-sales processes. Bsmart BASE and PRO support RA Family, RX Family and RL78 Family MCUs.

Features/Benefits

- Support range of Renesas MCUs (RA, RX, RL78), automotive and legacy products
- LAN, USB and Bluetooth connection and control:
 - User-friendly GUI
 - SDK/API: DLL in C/C++ and C#
 - Command line 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 12V and 1A
- Pocket-sized format: 128 mm x 70 mm x 18 mm without battery pack
- Optional battery pack for a full portability



Target Markets and Applications

- In-System Programming
- Handheld instrument for in field-programming
- Laboratory application
- Industry 4.0



UNIVERSAL PRODUCTION IN-SYSTEM PROGRAMMING





High Speed: up to 50 MHz of communication frequency



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



Battery pack available for a true-portable programmer



LAN, USB control via C/C++ and C# SDK/API, Command Line Control



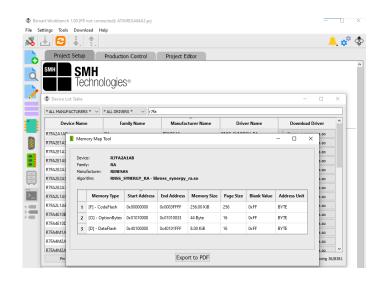
Over 8000 devices supported



Compact: 64x124x18 mm and 64x124x42 mm with battery pack



Graphical User Interface to control Bsmart programmer





- Programming times
- Connections
- Memory Maps



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



- Firmware Encryption
- User Management
- Dump and Read

Shop – Bsmart (smh-bsmart.com)