

Renesas Ready Ecosystem Partner Solution

SMH Bsmart

RENESAS

PARTNER
NETWORK

READY

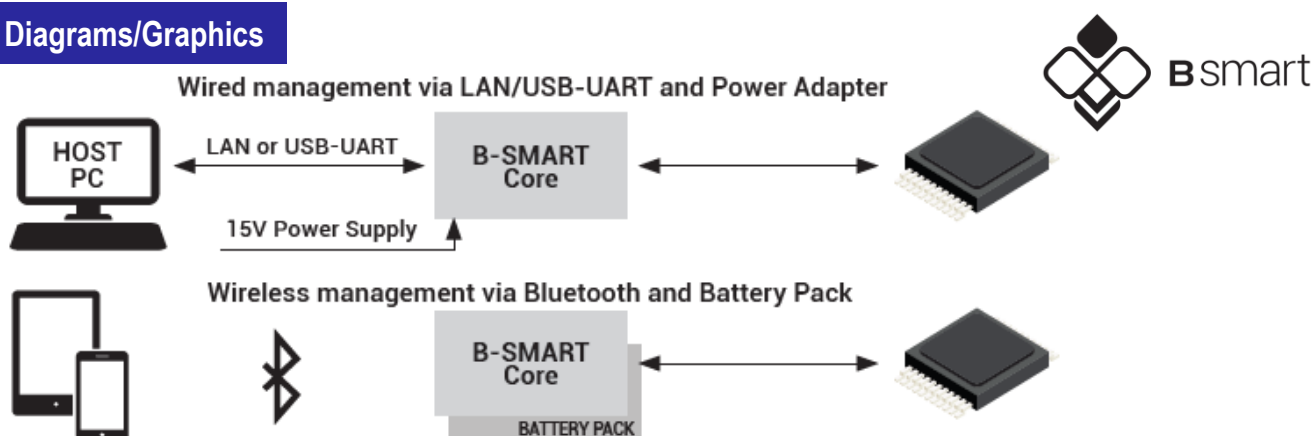
Solution Summary

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

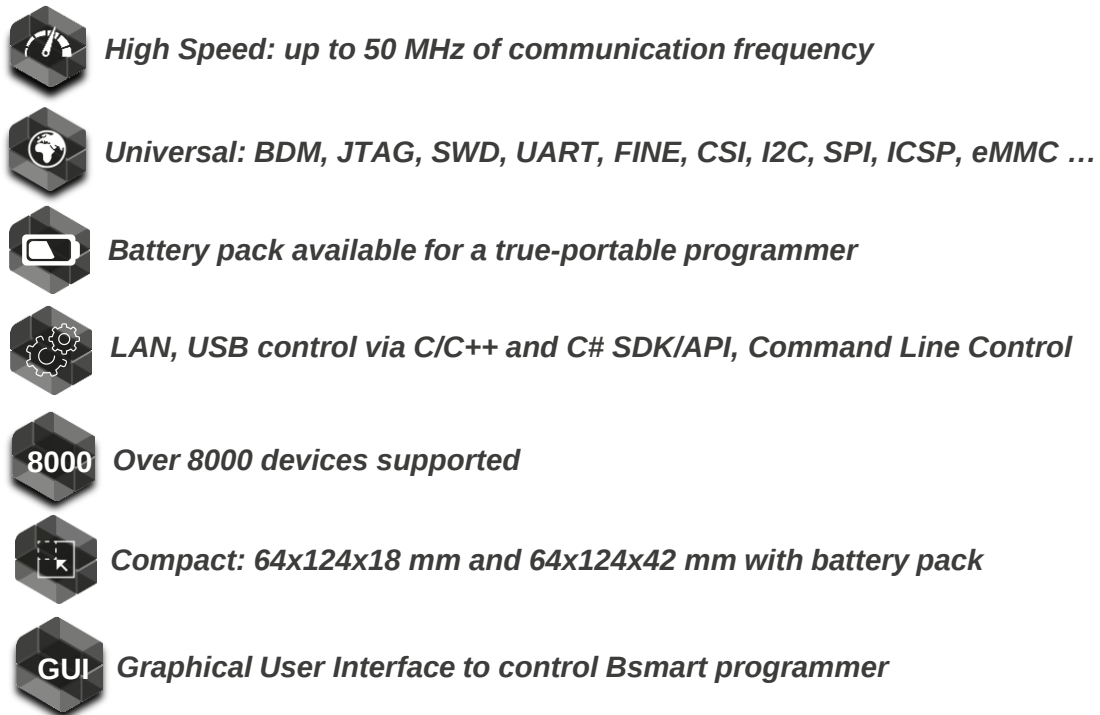
- Support range of Renesas MCUs (RA, RX, RL78), automotive and legacy products
- LAN, USB and Bluetooth connection and control:
 - User-friendly GUI
 - SDK/API: DLL in C/C++ and C#
 - Command line control
- Data protection with user's firmware encryption
- Device's security features supported
- Dynamic 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

Diagrams/Graphics



Target Markets and Applications

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



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- COMMAND**

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- SECURITY**

- *Firmware Encryption*
- *User Management*
- *Dump and Read*

[Shop – Bsmart \(smh-bsmart.com\)](http://smh-bsmart.com)