

FLASHRUNNER

III Series Universal Manufacturer-Specific In-System Programmers



Overview

FlashRunner III series is a range of high-performance, standalone In-System Programmers specific for Flash-based microcontrollers and serial memories. FlashRunner III series is targeted at production environments and can work either in full standalone mode or controlled by a host system.

Features

- Fastest programming algorithms (as fast as target device's memory technology limit), approved by silicon manufacturers;
- Easy ATE integration;
- Standalone operations (projects and code images stored on a memory card, FAT16 compatible);
- Also controllable by any host system via RS-232;
- Flexible, fully configurable;
- Compact and robust design for production environments;
- Data integrity guaranteed (every data transfer to/from the host system or Secure Digital card is CRC tagged).

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FlashRunner III Series Hardware Features

FlashRunner features state-of-the-art electronics and provides you with high integration flexibility in a small footprint.

- 7.5V DC power supply input;
- Five digital I/O lines;
- Two digital I/O or analog output lines;
- One programmable output voltage (0 to 5.5V, 0.5A);
- One programmable clock output;
- Secure Digital memory card (up to 2 GB);
- I/O protection;
- One command inputs (START);
- Three status outputs (FAIL, PASS, BUSY);
- RS-232 channel.

FlashRunner III Series Software Features

FlashRunner is set up and controlled via ASCII-based commands. FlashRunner can receive and execute commands in two ways:

- Over the RS-232 (Host mode);
- Via a “script” stored in its SD card (Standalone mode).

In the first case, FlashRunner is controlled by a host system (e.g. Windows HyperTerminal); in the latter case, FlashRunner works in standalone mode and is fully autonomous.

- Fully autonomous standalone mode (thanks to its SD memory card);
- Controllable by any host system through a terminal utility and simple ASCII protocol;
- Erase, blank check, program, read, verify, oscillator trimming, etc.

FlashRunner comes with a Windows utility that allows you to communicate with the instrument and perform the most common operations: send commands, manage SD card files, update the instrument's firmware, etc.

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The FlashRunner III series is targeted at production environments and can work either in full standalone mode or controlled by a host system. The FlashRunner III series is suitable for low cost solution when you don't need any special feature like log file handling, serial numbering, board personalization, non-mass-market devices supporting.

- FR03ATM0** Supports Atmel devices
- FR03CYP0** Supports Cypress devices
- FR03ELM0** Supports ELMOS devices
- FR03FJT0** Supports Fujitsu devices
- FR03FSL0** Supports Freescale devices
- FR03INF0** Supports Infineon devices
- FR03MCP0** Supports Microchip devices
- FR03MEM0** Supports serial memories
- FR03NXP0** Supports NXP devices
- FR03RENO** Supports Renesas devices
- FR03SLL0** Supports Silicon Labs devices
- FR03STM0** Supports STMicroelectronics devices
- FR03TXI0** Supports Texas Instruments devices

Typical Applications

